Exhibit A page 1

Duke Energy Carolinas For the Period January 1, 2015 - December 31, 2020 Docket Number 2019-XX-E Exhibit Summary for Rider EE Exhibits and Factors

Residential Billing Factor

1 Costs to be Recovered for Year 2015 True up	Year 2015 Exhibit 1, Line 16	(133,412)
2 Costs to be Recovered for Year 2016 True up	Year 2016 Exhibit 1, Line 16	(463,478)
3 Costs to Be Recovered for Year 2017 True up	Year 2017, Exhibit 1, Line 16	397,793
4 Costs to be Recovered for Year 2018 True Up	Year 2018, Exhibit 1, Line 16	5,752,227
5 Total Cost to be Recovered Vintages Year 2015, Year 2016, Year 2017, and Year 2018 True-ups	Line 1 through line 4	\$ 5,553,130
6 Projected SC Residential Sales (kWh) for rate period	R11 Exhibit 3, Page 1 Line 3	6,411,363,511
7 Revenue Requirement True-up Component for Residential Rider EE (cents per kWh)	Line 5 / Line 6 * 100	0.0866 Application
8 Costs to be Recovered for Vintage Year 2017 Prospective Amounts	Year 2017 Exhibit 1 Line 16	745,549
9 Costs to be Recovered for Vintage Year 2018 Prospective Amounts	Year 2018 Exhibit 1 Line 16	3,901,331
10 Costs to be Recovered for Vintage Year 2019 Prospective Amounts	Year 2019 Exhibit 1 Line 1	2,326,543
11 Costs to be Recovered for Vintage Year 2020 Prospective Amounts	Year 2020, Exhibit 1, pg 1 Line 12	25,955,113
12 Less: Costs to be Recovered through Solar Access Fee	R11 Exhibit 3 page 2	517,452
13 Total Prospective Components of Residential Revenue Requirement	Line 8 through Line 11 Less Line 12	\$ 32,411,083
14 Projected SC Residential Sales (kWh) for rate period	R11 Exhibit 3, Page 1 Line 3	6,411,363,511
15 Revenue Requirement Year Prospective Component for Residential Rider EE (cents per kWh)	Line 13 / Line 14 * 100	0.5055 Application
16 Total Revenue Requirement for Residential Rider EE	Line 5 + Line 13	\$ 37,964,213
17 Total Revenue Requirement for Residential Rider EE (cents per kWh)	Line 7 + Line 15	0.5921 Application
17 Total Nevenue neganement for nesidential maer 22 (cents per kvin)	Line 7 · Line 13	0.5521 Application
Non-Residential Billing Factors for Rider 11 True-Up Components		
18 Total Vintage Year 2015 True-Up EE Revenue Requirement - Vintage Year 2015 EE Participant	Year 2015 Exhibit 1 Line 27	\$ (24,291)
19 Projected Vintage Year 2015 EE Participants SC Non-Residential Sales (kwh) for rate period	R11 Exhibit 3, Page 1 Line 8	5,311,739,884
20 EE Revenue Requirement Vintage Year 2015 True-up Non-Residential Rider EE (cents per kWh)	Line 18/Line 19 * 100	(0.0005) Application
21 Total Vintage Year 2015 DSM True Up Revenue Requirement - Vintage Year 2015 DSM Participant	Year 2015 Exhibit 1 Line 40	\$ (5,234)
22 Projected Vintage Year 2015 DSM Participants SC Non-Residential Sales (kwh) for rate period	R11 Exhibit 3, Page 1 Line 9	6,028,573,210
23 DSM Revenue Requirement Vintage Year 2015 True-up Non-Residential Rider EE (cents per kWh)	Line 21/Line 22 * 100	(0.0001) Application
24 Total Vintage Year 2016 True-Up EE Revenue Requirement - Vintage Year 2016 EE Participant	Year 2016 Exhibit 1 Line 27	\$ 866,701
25 Projected Vintage Year 2016 EE Participants SC Non-Residential Sales (kwh) for rate period	R11 Exhibit 3, Page 1 Line 10	5,020,899,764
26 EE Revenue Requirement Vintage Year 2016 True-up Non-Residential Rider EE (cents per kWh)	Line 24/Line 25 * 100	0.0173 Application
27 Total Vintage Year 2016 DSM True Up Revenue Requirement - Vintage Year 2016 DSM Participant	Year 2016 Exhibit 1 Line 40	\$ (5,634)
28 Projected Vintage Year 2016 DSM Participants SC Non-Residential Sales (kwh) for rate period	R11 Exhibit 3, Page 1 Line 11	5,951,336,823
29 DSM Revenue Requirement Vintage Year 2016 True-up Non-Residential Rider EE (cents per kWh)	Line 27/Line 28 * 100	(0.0001) Application
30 Total Vintage Year 2017 True-Up EE Revenue Requirement - Vintage Year 2017 EE Participant	Year 2017 Exhibit 1 Line 27	\$ 1,916,003
31 Projected Vintage Year 2017 EE Participants SC Non-Residential Sales (kwh) for rate period	R11 Exhibit 3, Page 1 Line 12	4,924,955,503
32 EE Revenue Requirement Vintage Year 2017 True-up Non-Residential Rider EE (cents per kWh)	Line 30/Line 31 * 100	0.0389 Application
22 Total Vintaga Vaar 2017 DCM True Un Davanua Daguirament - Vintaga Vaar 2017 DSM Dartiginant	Voor 2017 Eybibit 1 Line 40	ć /120.452\
33 Total Vintage Year 2017 DSM True Up Revenue Requirement - Vintage Year 2017 DSM Participant 34 Projected Vintage Year 2017 DSM Participants SC Non-Residential Sales (kwh) for rate period	Year 2017 Exhibit 1 Line 40 R11 Exhibit 3, Page 1 Line 13	\$ (129,452) 5,951,336,823
35 DSM Revenue Requirement Vintage Year 2017 True-up Non-Residential Rider EE (cents per kWh)	Line 33/Line 34 * 100	(0.0022) Application
33 Dan Nevenue Negunement vintage real 2017 True-up Non-Nesidential Nider LL (Cents per Novi)	Line 33/Line 34 100	(0.0022) Application
36 Total Vintage Year 2018 True-Up EE Revenue Requirement - Vintage Year 2018 EE Participant	Year 2018 Exhibit 1 Line 27	\$ 1,752,931
37 Projected Vintage Year 2018 EE Participants SC Non-Residential Sales (kwh) for rate period	R11 Exhibit 3, Page 1 Line 14	4,878,266,122
38 EE Revenue Requirement Vintage Year 2018 True-up Non-Residential Rider EE (cents per kWh)	Line 36/Line 37 * 100	0.0359 Application
39 Total Vintage Year 2018 DSM True Up Revenue Requirement - Vintage Year 2018 DSM Participant	Year 2018 Exhibit 1 Line 40	\$ 1,127,138
40 Projected Vintage Year 2018 DSM Participants SC Non-Residential Sales (kwh) for rate period	R11 Exhibit 3, Page 1 Line 15	5,966,243,960
41 DSM Revenue Requirement Vintage Year 2018 True-up Non-Residential Rider EE (cents per kWh)	Line 39/Line 40 * 100	0.0189 Application

Exhibit A, page 2

Non-Residential Billing Factors for Rider 11 Prospective Components

42 Total Vintage Year 2017 Prospective EE Revenue Requirement - Vintage Year 2017 EE Participant 43 Projected Vintage Year 2017 EE Participants SC Non-Residential Sales (kwh) for rate period 44 EE Revenue Requirement Vintage Year 2017 Lost Revenues Non-Residential Rider EE (cents per kWh)	Year 2017 Exhibit 1, Line 27 R11 Exhibit 3, Page 2 Line 12 Line 42/Line 43 * 100	\$ 1,199,656 4,924,955,503 0.0244 Application
45 Total Vintage Year 2018 Prospective EE Revenue Requirement - Vintage Year 2018 EE Participant 46 Projected Vintage Year 2018 EE Participants SC Non-Residential Sales (kwh) for rate period 47 EE Revenue Requirement Vintage Year 2018 Lost Revenues Non-Residential Rider EE (cents per kWh)	Year 2018 Exhibit 1 Line 27 R11 Exhibit 3, Page 2 Line 14 Line 45/Line 46 * 100	\$ 4,436,280 4,878,266,122 0.0909 Application
48 Total Vintage Year 2019 Prospective EE Revenue Requirement - Vintage Year 2019 EE Participant 49 Projected Vintage Year 2019 EE Participants SC Non-Residential Sales (kwh) for rate period 50 EE Revenue Requirement Vintage Year 2019 Lost Revenues Non-Residential Rider EE (cents per kWh)	Year 2019 Exhibit 1, Line 27 R11 Exhibit 3, Page 2 Line 16 Line 48/Line 49 * 100	\$ 5,929,385 4,843,914,753 0.1224
51 Total Vintage Year 2020 Prospective EE Revenue Requirement - Vintage Year 2020 EE Participant 52 Projected Vintage Year 2020 EE Participants SC Non-Residential Sales (kwh) for rate period 53 EE Revenue Requirement Vintage Year 2020 Program Costs and Lost Revenues Non-Residential Rider EE (cents per kWh)	Year 2020 Exhibit 1, Pg. 2, Line 7 R11 Exhibit 3, Page 2 Line 18 Line 51/Line 52 * 100	\$ 20,220,983 4,843,914,753 0.4175
54 Total Vintage Year 2020 Prospective DSM Revenue Requirement - Vintage Year 2020 DSM Participant 55 Projected Vintage Year 2020 DSM Participants SC Non-Residential Sales (kwh) for rate period 56 DSM Revenue Requirement Vintage Year 2020 Program Costs Non-Residential Rider EE (cents per kWh)	Year 2020 Exhibit 1, Pg. 2, Line 16 R11 Exhibit 3, Page 2 Line 19 Line 54/Line 55 * 100	\$ 9,092,443 5,964,865,760 0.1524 Application
Total costs to be recovered in Rider 11 from Non-Residential Customers		
57 Total Vintage Year 2015 True-Up EE Revenue Requirement - Vintage Year 2015 EE Participant 58 Total Vintage Year 2015 DSM True Up Revenue Requirement - Vintage Year 2015 DSM Participant 59 Total Vintage Year 2016 True-Up EE Revenue Requirement - Vintage Year 2016 EE Participant 60 Total Vintage Year 2016 DSM True Up Revenue Requirement - Vintage Year 2016 DSM Participant 61 Total Vintage Year 2017 True-Up EE Revenue Requirement - Vintage Year 2017 EE Participant 62 Total Vintage Year 2017 DSM True Up Revenue Requirement - Vintage Year 2017 DSM Participant 63 Total Vintage Year 2018 True-Up EE Revenue Requirement - Vintage Year 2018 EE Participant 64 Total Vintage Year 2018 DSM True Up Revenue Requirement - Vintage Year 2018 DSM Participant 65 Total Vintage Year 2017 Prospective EE Revenue Requirement - Vintage Year 2017 EE Participant 66 Total Vintage Year 2018 Prospective EE Revenue Requirement - Vintage Year 2019 EE Participant 67 Total Vintage Year 2019 Prospective EE Revenue Requirement - Vintage Year 2019 EE Participant 68 Total Vintage Year 2020 Prospective EE Revenue Requirement - Vintage Year 2020 EE Participant 69 Total Vintage Year 2020 Prospective DSM Revenue Requirement - Vintage Year 2020 DSM Participant	Year 2015 Exhibit 1 Line 27 Year 2015 Exhibit 1 Line 40 Year 2016 Exhibit 1 Line 27 Year 2016 Exhibit 1 Line 40 Year 2017 Exhibit 1 Line 27 Year 2017 Exhibit 1 Line 40 Year 2018 Exhibit 1 Line 27 Year 2018 Exhibit 1 Line 40 Year 2018 Exhibit 1 Line 40 Year 2017 Exhibit 1, Line 27 Year 2018 Exhibit 1, Line 27 Year 2019 Exhibit 1, Line 27 Year 2020 Exhibit 1, Pg. 2, Line 7 Year 2020 Exhibit 1, Pg. 2, Line 16	(24,291) (5,234) 866,701 (5,634) 1,916,003 (129,452) 1,752,931 1,127,138 1,199,656 4,436,280 5,929,385 20,220,983 9,092,443
70 Total Non-Residential Revenue Requirements	, 5 ,	46,376,910 Application

Electricity No. 4 South Carolina Eleventh Revised Leaf No. 62 Superseding South Carolina Tenth Revised Leaf No. 62

RIDER EE (SC) ENERGY EFFICIENCY RIDER

APPLICABILITY (South Carolina Only)

Service supplied under the Company's rate schedules is subject to approved adjustments for new energy efficiency and demand-side management programs approved by the Public Service Commission of South Carolina (PSCSC). The Rider Adjustments are not included in the Rate Schedules of the Company and therefore, must be applied to the bill as calculated under the applicable rate. As of January 1, 2020, cost recovery under Rider EE consists of the four year term program, years 2015-2018, as well as rates under the continuation of that program for years 2019-2020 as outlined below. This rider applies to service supplied under all rate schedules except rate schedules OL, FL, PL, Gl and NL for program years 2015-2020.

The Rider will recover the cost of Duke Energy Carolinas' Interruptible Service and Stand-By Generator programs ("Existing DSM Programs") based on the cost of bill credits and amounts paid to customers participating on these programs ("Program Costs"). Revenue requirements will be determined on a system basis and allocated to SC retail customer classes based on the class contribution to system peak demand.

GENERAL PROVISIONS

This Rider will recover the cost of the Company's energy efficiency and demand-side management programs beginning January 1, 2015, using the method approved by the PSCSC set forth in Order No. 2013-889.

TRUE-UP PROVISIONS

Rider amounts will initially be determined based on estimated kW and kWh impacts related to expected customer participation in the programs, and will be trued-up on an annual basis as actual customer participation and actual kW and kWh impacts are verified. The true-up will reflect actual participation and EM&V results for the most recently completed vintage. If a customer participates in any vintage of programs, the customer is subject to the true-ups for any vintage of programs in which the customer participated.

RIDER EE OPT OUT PROVISION FOR QUALIFYING NON-RESIDENTIAL CUSTOMERS

The Rider EE increment applicable to energy efficiency programs and/or demand-side management programs will not be applied to the energy charge of the applicable rate schedule for Customers qualified to opt out of the programs where:

- a. The Customer has notified the Company in writing that it elects to opt out and that the opt-out customer has implemented its own energy management system or has performed or had performed for it an energy audit or analysis within the three year period preceding the opt out request and has implemented or has plans for implementing the cost-effective energy efficiency measures recommended in that audit or analysis; and
- b. Electric service to the Customer must be provided under:
 - 1. An electric service agreement where the establishment is classified as a "manufacturing industry" by the Standard Industrial Classification Manual published by the United States Government and where more than 50% of the electric energy consumption of such establishment is used for its manufacturing processes; or
 - 2. An electric service agreement for general service as provided for under the Company's rate schedules where the Customer's annual energy use is 1,000,000 kilowatt hours or greater in the billing months of the prior calendar year. Additionally, all other agreements billed to the same entity with lesser annual usage located on the same or contiguous properties are also eligible to opt out.

For Customers who elect to opt out of Energy Efficiency Programs, the following provisions also apply:

- Qualifying customers may opt out of the Company's energy efficiency programs each calendar year only during the designated annual two-month enrollment period. For the Rider EE 2019 Program Year, the enrollment period begins November 1, 2019 and ends December 31, 2019.
- Customers may not opt out of individual energy efficiency programs offered by the Company. The choice to opt out applies to the Company's entire portfolio of energy efficiency programs.
- If a customer participates in any vintage of energy efficiency programs, the customer, irrespective of future opt-out decisions, remains obligated to pay the remaining portion of the lost revenues for each vintage of efficiency programs in which the customer participated.
- Customers who elect to opt out during the two-month annual enrollment period immediately prior to the new Rider EE becoming effective may elect to opt in to the Company's energy efficiency program during the first 5 business days of March each calendar year. Customers making this election will be back-billed to the effective date of the new Rider EE.

South Carolina Eleventh Revised Leaf No. 62 Effective for service rendered from January 1, 2020 to December 31, 2020 PSCSC Docket No. 2019-XX-E Order No. XXXX-XXX

Electricity No. 4 South Carolina Eleventh Revised Leaf No. 62 Superseding South Carolina Tenth Revised Leaf No. 62

RIDER EE (SC) **ENERGY EFFICIENCY RIDER**

For Customers who elect to opt out of Demand-Side Management Programs, the following provisions also apply:

- Qualifying customers may opt out of the Company's demand-side management program during the enrollment period between November 1, and December 31 immediately prior to a new Rider EE becoming effective on January 1 of the applicable year. (Qualifying new customers have sixty days after beginning service to opt out).
- If a customer elects to participate in a demand-side management program, the customer may not subsequently choose to opt out of demand-side management programs for three years.
- Customers who elect to opt out during the two-month annual enrollment period immediately prior to the new Rider EE becoming effective may elect to opt in to the Company's demand-side management program during the first 5 business days of March each calendar year. Customers making this election will be back-billed to the effective date of the new Rider EE.

Any qualifying non-residential customer that has not participated in an energy efficiency or demand-side management program may opt out during any enrollment period, and have no further responsibility to pay Rider EE amounts associated with the Customer's opt out election for energy efficiency and/or demand-side management programs.

ENERGY EFFICIENCY RIDER ADJUSTMENTS (EEA) FOR ALL PROGRAM YEARS

The Rider EE amounts applicable to the residential and nonresidential rate schedules for the period January 1, 2020 through December 31, 2020 including revenue-related taxes and utility assessments are as follows:

Residential

Vintage 2015, 2016, 2017, 2018, 2019, 2020

0.5921¢ per kWh

Total Residential

0.5921¢ per kWh

Nonresidential

	Energy Efficiency	Demand-Side Management
2015 Vintage*	(0.0005)¢ per kWh	(0.0001)¢ per kWh
2016 Vintage*	0.0173¢ per kWh	(0.0001)¢ per kWh
2017 Vintage*	0.0633¢ per kWh	(0.0022)¢ per kWh
2018 Vintage*	0.1268¢ per kWh	0.0189¢ per kWh
2019 Vintage*	0.1224¢ per kWh	0.0000¢ per kWh
2020 Vintage*	0.4175¢ per kWh	0.1524¢ per kWh

Total Vintage 2015, 2016, 2017, 2018,

2019 and 2020

0.7468¢ per kWh

0.1689¢ per kWh

Total Nonresidential

0.9157¢ per kWh

Each factor listed under Nonresidential is applicable to nonresidential customers who are not eligible to opt out and to eligible customers who have not opted out. If a nonresidential customer has opted out of a Vintage(s), then the applicable energy efficiency and/or demand-side management charge(s) shown above for the Vintage(s) during which the customer has opted out, will not apply to the bill.

^{*} Not Applicable to Rate Schedules OL, FL, PL, GL, and NL

ibit 1

Duke Energy Carolinas For the period January 1, 2015 - December 31, 2015

Docket No. 2019-XX-E Calculation of Year 2015 True up of Shared Savings and Y1, Y2, Y3 and Y4 Lost Revenues

	Residential Energy Efficiency Programs	
Line		
1	Residential EE Program Cost	Year 2015 Exh 2 (B * D)
2	Residential EE Earned Utility Incentive	Year 2015 Exh 2 (C * D)
3	Total EE Program Cost and Incentive Components	Year 2015 Exh 2 Line 10
4	Residential DSM Program Cost	Year 2015 Exh 2 (B * E)
5	Residential DSM Earned Utility Incentive	Year 2015 Exh 2 (C * E)
6	Total DSM Program Cost and Incentive Components	Year 2015 Exh 2 Line 11
7	Residential Existing DSM Program Revenue Requirement	Rider 8 Year 2015 Exhibit 3 Line 3
8	Total EE/DSM Program Cost and Incentive Components	Line 3 + Line 6+ Line 7
9	Revenue-related taxes and regulatory fees factor	
10	Total EE Program Cost and Incentive Revenue Requirement	Line 8 * Line 9
11	Residential Net Lost Revenues	R11 Exh 1 page 1 Line 11
12	Total Residential EE Revenue Requirement	Line 10 + Line 11
13	Estimated Revenues Collected	R11 Exh 2 Line 1
14	Residential EE Revenue Requirement	Line 12 - Line 13
15	Estimated Interest to be Recovered	R11 Exh 4 page 1 Line 12
16	Estimated Residential EE/DSM Revenue Requirement True Up	Line 14 + Line 15

Rider 6 Year 2015 Estimate	Rider 7 Year 2 Lost Revenue Estimate	Rider 8 Year 3 Lost Revenue Estimate	True-up to be Collected in Rider 8	True-up to be Collected	Estimate of Year 4 Lost Revenue	True Up To be Collected in Rider 10	True Up to be Collected In Rider 11	Year 2015
\$ 11,501,369		Littliate	\$ (1,186,566)		Revenue	-	-	\$ 10,314,803
426,243			1,436,395	183,068		0	(0)	
11,927,612			249,829	183,068		0	(0)	
3,913,647			(883,234)	0		-	-	3,030,413
1,037,481			(73,162)	(4,299)		(167)	-	959,853
4,951,128			(956,396)	(4,299)		(167)	-	3,990,266
734,223			(157,796)			-	-	576,427
17,612,963			(864,363)	178,769		(167)	-	16,927,203
1.004517			1.004493	1.004493		1.004487	1.004450	
17,692,521			(868,246)	179,573		(167)	-	17,003,680
3,125,109	1,655,188	2,664,819	914,189	1,079,208	1,143,018	33,505	3,749	10,618,785
20,817,630	1,655,188	2,664,819	45,942	1,258,781	1,143,018	33,338	3,749	27,622,464
								27,747,708
								\$ (125,244)
								(8,168)
								\$ (133,412)

See Exhibit A for rate

Non-Residential Energy Efficiency Progra	ms
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		Reference
17	Non- Residential EE Program Cost	Year 2015 Exh 2 (B * D) Line 24
18	Non-Residential EE Earned Utility Incentive	Year 2015 Exh 2 (C * D) Line 24
19	Total EE Program Cost and Incentive Components	Year 2015 Exh 2 Line 24
20	Revenue-related taxes and regulatory fees factor	
21	Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 19 * Line 20
22	Non-Residential Net Lost Revenues	R11 Exh 1 page 1 Line 25
23	Total Non-Residential EE Revenue Requirement	Line 21 + Line 22
24	Estimated Revenues Collected	R11 Exh 2 Line 9
25	Non-Residential EE Revenue Requirement	Line 23 + Line 24
26	Estimated Interest to be Recovered	R11 Exh 4 page 3 Line 12
27	Estimated Non-Residential EE Revenue Requirement True-Up with Interest	Line 25 + line 26
28	Projected SC Residential Sales (kWh)	R11 Exhibit 3 Page 1 Line 8
29	SC Non-Residential EE billing factor (Cents/kWh)	Line 27 / Line 28 * 100

			T	I	1	T	ı	
Rider 6	Rider 7 Year 2	Rider 8 Year 3	True-up to be Collected	True-up to be Collected	Estimate of Year 4	True Up to be	True Up to be	
	Lost Revenue	Lost Revenue				Collected in Rider		
Year 2015 Estimate	Estimate	Estimate	in Rider 8	in Rider 9	Lost Revenue	10	Collected In Rider 11	Year 2015
\$ 6,427,482			\$ 4,342,595	\$ (5)		\$ 0	\$ -	\$ 10,770,072
2,790,408			962,744	319,858		(229,135)	-	3,843,875
9,217,890			5,305,339	319,853		(229,135)	-	14,613,947
1.004517			1.004493	1.004468		1.004487	1.004450	
9,259,527			5,329,175	321,282		(230,163)	-	14,679,822
860,328	2,798,965	2,476,910	548,406	27,510	1,189,630	(25,649)	(1,315)	7,874,785
10,119,855	2,798,965	2,476,910	5,877,581	348,792	1,189,630	(255,812)	(1,315)	22,554,607
								22,635,674
								\$ (81,067)
				`-				56,776
								\$ (24,291)
								5,311,739,884
								(0.0005)

Non- Residential DSM Programs

38 Non-Residential DSM Revenue Requirement

41 Projected SC Non-Residential Sales (kWh)42 SC Non-Residential DSM billing factor

40 Estimated Non-Residential DSM Revenue Requirement True Up after Interest

39 Estimated Interest Due

30	Non- Residential DSM Program Cost	Year 2015 Exh 2 (B * D) Line 26
31	Non-Residential DSM Earned Utility Incentive	Year 2015 Exh 2 (C * D) Line 26
32	Total DSM Program Cost and Incentive Components	Year 2015 Exh 2 Line 26
33	Non- Residential Existing DSM Program Revenue Requirement	Rider 8 Year 2015 Exh 3 Line 3
34	Total DSM Revenue Requirement	Line 32 + Line 33
35	Revenue-related taxes and regulatory fees factor	
36	Total Non-Residential DSM Program Cost and Incentive Revenue Requirements	Line 34 * Line 35
37	Estimated Revenues Collected	R11 Exhibit 2 Line 17

Line 34 * Line 35
R11 Exhibit 2 Line 17
Line 36 - Line 37
R11 Exh 4 Page 3 Line 25
Line 38 + Line 39
R11 Exhibit 3 Page 1 Line 9
Line 40 / Line 41 * 100

Red	2015 Revenue quirement as roved in Rider 9	True up to be Collected in Rider 10	Co	True Up to be ollected in Rider 11	Year 2015 Revenue Requirement True up
\$	4,928,506	\$ (0)		-	\$ 4,928,506
	1,561,327	(272)		-	1,561,055
	6,489,833	(272)		-	6,489,561
	937,471	1		-	937,471
	7,427,304	(272)		-	7,427,032
		1.004487		1.004450	
	7,467,895	(273)		-	7,467,622
					7,476,877
					(9,255
					4,021
					\$ (5,234
					6,028,573,21
					(0.0001

Details outlining the change in the program cost and incentive component can be found in Year 2015 Exh 2. All amounts disallowed in the R8 ORS audit have been reflected in both year 2015 Exh 2 and Year 2015 Exh 1.

² Updated lost revenues by year can be found in R11 Exh 1 page 1. Year 2015 has been updated with most recent participation.

Year 2015 Exhibit 2
Duke Energy Carolinas

Docket Number 2019-XX-E

Load Impacts and Estimated Revenue Requirements, Excluding Lost Revenue by Program

For the Period January 1, 2015 - December 31, 2015

C = A + B

D

E = C * D

37,454,286

Residential Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	Total Cost	Earned Utility Incentive	System Cost Plus Incentive	SC Retail Kwh Sales Allocation Factor (Year 2015 Exhibit 3 Line 6)	SC Residential Revenue Requirement
EE Programs						- ·		
1 Appliance Recycling	748	5,534,546	\$ 1,979,921	\$ 1,533,087	\$ 51,386	\$ 1,584,473	26.97684%	\$ 427,441
2 Energy Efficiency Education	830	4,417,898	2,764,812	2,049,791	82,227	2,132,019	26.97684%	575,151
3 Energy Efficient Appliances and Devices	14,743	129,350,071	52,058,299	12,024,262	4,603,914	16,628,176	26.97684%	4,485,757
4 HVAC Energy Efficiency	2,663	4,763,631	7,416,872	5,404,412	231,433	5,635,845	26.97684%	1,520,373
5 Income Qualified Energy Efficiency and Weatherization Assistance	608	3,125,184	1,992,431	2,232,000	-	2,232,000	26.97684%	602,123
6 Multi-Family Energy Efficiency	1,339	13,988,109	7,827,117	2,088,423	659,950	2,748,373	26.97684%	741,424
7 Energy Assessments 8 Total for Residential Conservation Programs	<u>1,275</u> 22,205	10,293,765 171,473,205	12,007,615 \$ 86,047,067	3,079,275 \$ 28,411,251	\$ 1,026,759 \$ 6,655,669	\$ 4,106,035 \$ 35,066,920	26.97684%	1,107,678 \$ 9,459,947
	22,200	171,173,203	φ σο,στησο.	φ 20,111,231	Ų 0,055,005	ψ 33,333,325		ү э, 193,3 1 <i>1</i>
9 My Home Energy Report (1)	61,770	228,776,428	\$ 17,889,996	\$ 9,824,522	927,530	10,752,051	26.97684%	2,900,564
10 Total Residential Conservation and Behavioral Programs	83,975	400,249,633	\$ 103,937,063	38,235,773	\$ 7,583,199	\$ 45,818,972		\$ 12,360,511
11 Total DSM Programs (2)	871,944	18,374	\$ 119,732,433	31,892,405	\$ 10,101,603	\$ 41,994,008	SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 14) 9.50199%	C * D \$ 3,990,266
12 Total Residential Revenue Requirement								16,350,777
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	Total Cost	Earned Utility Incentive	System Cost Plus Incentive	SC Retail Kwh Sales Allocation Factor (Year 2015 Exhibit 3 Line 6)	SC Residential Revenue Requirement
Non-Residential Programs								
EE Programs								
13 Non Residential Smart Saver Customer Technical Assessments	87	765,303	\$ 332,740	\$ 655,585	\$ (37,127)		26.97684%	\$ 166,840
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom	11,108	76,142,627	56,053,976	9,879,256	5,310,093	15,189,349	26.97684%	4,097,606
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products	11,108 140	76,142,627 1,672,329	56,053,976 1,131,630	9,879,256 191,797	5,310,093 108,081	15,189,349 299,878	26.97684% 26.97684%	4,097,606 80,898
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products	11,108 140 1,611	76,142,627 1,672,329 5,405,220	56,053,976 1,131,630 6,603,869	9,879,256 191,797 1,137,153	5,310,093 108,081 628,672	15,189,349 299,878 1,765,825	26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products	11,108 140 1,611 11,523	76,142,627 1,672,329 5,405,220 67,083,512	56,053,976 1,131,630 6,603,869 43,931,817	9,879,256 191,797 1,137,153 11,289,537	5,310,093 108,081 628,672 3,753,862	15,189,349 299,878 1,765,825 15,043,399	26.97684% 26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364 4,058,234
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives	11,108 140 1,611 11,523 423	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574	56,053,976 1,131,630 6,603,869 43,931,817 1,992,190	9,879,256 191,797 1,137,153 11,289,537 464,115	5,310,093 108,081 628,672 3,753,862 175,729	15,189,349 299,878 1,765,825 15,043,399 639,843	26.97684% 26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364 4,058,234 172,610
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE	11,108 140 1,611 11,523	76,142,627 1,672,329 5,405,220 67,083,512	56,053,976 1,131,630 6,603,869 43,931,817	9,879,256 191,797 1,137,153 11,289,537	5,310,093 108,081 628,672 3,753,862	15,189,349 299,878 1,765,825 15,043,399	26.97684% 26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364 4,058,234
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives	11,108 140 1,611 11,523 423 540	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710	56,053,976 1,131,630 6,603,869 43,931,817 1,992,190 1,177,841	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361	5,310,093 108,081 628,672 3,753,862 175,729 53,300	15,189,349 299,878 1,765,825 15,043,399 639,843 767,661	26.97684% 26.97684% 26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364 4,058,234 172,610 207,091
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices	11,108 140 1,611 11,523 423 540 112	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354	56,053,976 1,131,630 6,603,869 43,931,817 1,992,190 1,177,841 544,546	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463	15,189,349 299,878 1,765,825 15,043,399 639,843 767,661 140,807 18,094,019 1,488,326	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report	11,108 140 1,611 11,523 423 540 112 14,417 3,109	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552	56,053,976 1,131,630 6,603,869 43,931,817 1,992,190 1,177,841 544,546 50,200,051 1,732,693	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754	15,189,349 299,878 1,765,825 15,043,399 639,843 767,661 140,807 18,094,019 1,488,326	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices	11,108 140 1,611 11,523 423 540 112 14,417	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622	56,053,976 1,131,630 6,603,869 43,931,817 1,992,190 1,177,841 544,546 50,200,051	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970	15,189,349 299,878 1,765,825 15,043,399 639,843 767,661 140,807 18,094,019 1,488,326	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Energy Efficient Food Service Products 15 Non Residential Smart Saver Energy Efficient HVAC Products 16 Non Residential Smart Saver Energy Efficient Lighting Products 17 Non Residential Energy Efficient Pumps and Drives 18 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report 24 Total for Non-Residential Conservation Programs	11,108 140 1,611 11,523 423 540 112 14,417 3,109	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552	56,053,976 1,131,630 6,603,869 43,931,817 1,992,190 1,177,841 544,546 50,200,051 1,732,693	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754	15,189,349 299,878 1,765,825 15,043,399 639,843 767,661 140,807 18,094,019 1,488,326	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684%	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report 24 Total for Non-Residential Conservation Programs	11,108 140 1,611 11,523 423 540 112 14,417 3,109 - 43,072	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552 - 252,704,804	56,053,976 1,131,630 6,603,869 43,931,817 1,992,190 1,177,841 544,546 50,200,051 1,732,693 - \$ 163,701,353	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636 39,923,404	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754 - \$	15,189,349 299,878 1,765,825 15,043,399 639,843 767,661 140,807 18,094,019 1,488,326 124,636 \$ 54,172,201	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 15)	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623 \$ 14,613,948
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report 24 Total for Non-Residential Conservation Programs 25 Total DSM Programs 26 Total Non-Residential Revenue Requirement	11,108 140 1,611 11,523 423 540 112 14,417 3,109	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552	56,053,976 1,131,630 6,603,869 43,931,817 1,992,190 1,177,841 544,546 50,200,051 1,732,693	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754 - \$ 14,248,797	15,189,349 299,878 1,765,825 15,043,399 639,843 767,661 140,807 18,094,019 1,488,326 124,636 \$ 54,172,201	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% SC Residential Peak Demand Allocation Factor (Year 2015,	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623 \$ 14,613,948
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report 24 Total for Non-Residential Conservation Programs 25 Total DSM Programs 26 Total Non-Residential Revenue Requirement Total DSM Program Breakdown	11,108 140 1,611 11,523 423 540 112 14,417 3,109 - 43,072	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552 - 252,704,804	\$ 119,732,433	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636 39,923,404	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754 - \$ 14,248,797	15,189,349 299,878 1,765,825 15,043,399 639,843 767,661 140,807 18,094,019 1,488,326 124,636 \$ 54,172,201 \$ 31,728,537	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 15) 15.45354% SC Residential Peak Demand Allocation Factor (Year 2015,	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623 \$ 14,613,948 C * D
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report 24 Total for Non-Residential Conservation Programs 25 Total DSM Programs 26 Total Non-Residential Revenue Requirement Total DSM Program Breakdown 27 Power Manager (Residential)	11,108 140 1,611 11,523 423 540 112 14,417 3,109 - 43,072	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552 - 252,704,804	\$ 62,426,861	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636 39,923,404 \$ 31,892,405	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754 - \$ 14,248,797	\$ 41,994,008 \$ 31,728,537 20,226,661	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 15) 15.45354% SC Residential Peak Demand Allocation Factor (Year 2015,	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623 \$ 14,613,948 C * D
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report 24 Total for Non-Residential Conservation Programs 25 Total DSM Programs 26 Total Non-Residential Revenue Requirement Total DSM Program Breakdown 27 Power Manager (Residential) 28 EnergyWise for Business (Non-Residential)	11,108 140 1,611 11,523 423 540 112 14,417 3,109 - 43,072	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552 - 252,704,804	\$ 119,732,433	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636 39,923,404	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754 - \$ 14,248,797	\$ 41,994,008 \$ 31,728,537 20,226,661 1,367,832	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 15) 15.45354% SC Residential Peak Demand Allocation Factor (Year 2015,	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623 \$ 14,613,948 C * D
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report 24 Total for Non-Residential Conservation Programs 25 Total DSM Programs 26 Total Non-Residential Revenue Requirement Total DSM Program Breakdown 27 Power Manager (Residential) 28 EnergyWise for Business (Non-Residential) 29 Power Share Call Option (Non-Residential)	11,108 140 1,611 11,523 423 540 112 14,417 3,109 - 43,072	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552 - 252,704,804	\$ 62,426,861 12,083	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636 39,923,404 \$ 31,892,405 \$ 14,743,019 1,544,003	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754 - \$ 14,248,797 \$ 14,248,797	\$ 41,994,008 \$ 31,728,537 20,226,661 1,367,832	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 15) 15.45354% SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 15)	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623 \$ 14,613,948 C * D
13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Small Business Energy Saver 22 Smart Energy in Offices 23 Business Energy Report 24 Total for Non-Residential Conservation Programs 25 Total DSM Programs 26 Total Non-Residential Revenue Requirement Total DSM Program Breakdown 27 Power Manager (Residential) 28 EnergyWise for Business (Non-Residential)	11,108 140 1,611 11,523 423 540 112 14,417 3,109 - 43,072	76,142,627 1,672,329 5,405,220 67,083,512 3,354,574 5,196,710 630,354 77,515,622 14,938,552 - 252,704,804	\$ 62,426,861	9,879,256 191,797 1,137,153 11,289,537 464,115 714,361 88,343 13,922,049 1,456,572 124,636 39,923,404 \$ 31,892,405	5,310,093 108,081 628,672 3,753,862 175,729 53,300 52,463 4,171,970 31,754 - \$ 14,248,797	\$ 41,994,008 \$ 31,728,537 20,226,661 1,367,832	26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% 26.97684% SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 15) 15.45354% SC Residential Peak Demand Allocation Factor (Year 2015, Exhibit 3 Line 15)	4,097,606 80,898 476,364 4,058,234 172,610 207,091 37,985 4,881,195 401,503 33,623 \$ 14,613,948 C * D

387,370,849

110,051,582

31,933,599

141,985,181

998,991

652,972,810

32 Total All Programs

⁽¹⁾ My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage.

⁽²⁾ Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Year 2015 Exhibit 3

Duke Energy Carolinas For the Period January 1, 2015 - December 31, 2015 Docket Number 2019-XX-E Allocation Factor Year 2015

			MWH		
Sales	Allocator - 2014				
1	NC Retail MWH Sales, at Generation	Company Records	59,567,575		
2	SC Retail MWH Sales (Excl. Greenwood), at Generation	Company Records	22,026,080		
3	Total Retail, Excluding Greenwood, at Generation	Line 1 + Line 2	81,593,655		
4	Greenwood Retail MWH Sales, at Generation	Company Records	54,449		
5	Total Retail, including Greenwood, at Generation Allocation 1 to state based on kWh sales	Line 3 + Line 4	81,648,104		
6	SC Retail	Line 2 / Line 5	26.97684%		
Demai	nd Allocators - 2014		NC MW	SC MW	Total MW
7	Residential	Company Records	4,994,057	1,459,126	6,453,183
8	Non Residential (SC - Excl. Greenwood)	Company Records	6,518,371	2,373,045	8,891,416
9	Greenwood	Company Records	-	11,401	11,401
10	Total	Line 7 + Line 8+ Line 9	11,512,428	3,843,572	15,356,000
11	Wholesale Peak Demand	Company Records			1,211,771
12	Total System Peak Demand	Line 10 + Line 11			16,567,771
	Allocation 2 to state based on peak demand				
13	SC Retail, Excl. Greenwood	(Line 7, SC + Line 8, SC)/ Line 10 Total	24.95553%		
	Allocation 3 SC res vs non-res Peak Demand to retail syste	em peak			
14	SC Residential	Line 7,SC / Line 10 Total	9.50199%		
15	SC Non-residential	Line 8, SC / Line 10 Total	15.45354%		
	Allocation 4 SC res vs non-res Peak Demand to retail syste	em peak for Existing DSM			
16	SC Residential	Line 7,SC / Line 12 Total	8.80701%		
17	SC Non-residential	Line 8, SC / Line 12 Total	14.32326%		

Duke Energy Carolinas

For the period January 1, 2016 - December 31, 2016

Docket No. 2019-XX-E

Calculation of Year 2016 True up of Shared Savings, Y1, Y2 and Y3 Lost Revenues Lost Revenues

Residential Energy Efficiency Programs Line		Rider 7 Year 2016 Estimate	Rider 8 Year 2 Lost Revenue Estimate	True-up to be Collected	Rider 9 Year 3 Lost Revenue Estimate	True Up to be Collected	Rider 10 Year 4 Lost Revenue Estimate	True up to be Collected in Rider 11	Year 2016
1 Residential EE Program Cost	Year 2016 Exh 2 (B * D)	\$ 11,482,088		\$ 3,178,895		\$ (0)		\$ -	\$ 14,660,983
2 Residential EE Earned Utility Incentive	Year 2016 Exh 2 (C * D)	675,068		2,019,774		(22,174)		-	2,672,668
3 Total EE Program Cost and Incentive Components	Year 2016 Exh 2 Line 10	12,157,156		5,198,669		(22,174)		-	17,333,651
4 Residential DSM Program Cost	Year 2016 Exh 2 (B * E)	3,134,039		(116,010)		0		-	3,018,029
5 Residential DSM Earned Utility Incentive	Year 2016 Exh 2 (C * E)	1,152,056		(58,775)		(9,614)		(0)	1,083,667
6 Total DSM Program Cost and Incentive Components	Year 2016 Exh 2 Line 11	4,286,095		(174,785)		(9,614)		(0)	4,101,696
7 Residential Existing DSM Program Revenue Requirement Estimate	Year 2016 Exhibit 3 Line 3	673,781		(86,148)		-			587,633
8 Total EE/DSM Program Cost and Incentive Components	Line 3 + Line 6+ Line 7	17,117,032		4,937,736		(31,788)		(0)	22,022,980
9 Revenue-related taxes and regulatory fees factor		1.004517		1.004493		1.004487		1.004450	
10 Total EE Program Cost and Incentive Revenue Requirement	Line 8 * Line 9	17,194,350		4,959,921		(31,931)		(0)	22,122,340
11 Residential Net Lost Revenues	R11 Exh 1 page 2 Line 36	3,954,894	2,211,965	510,764	2,628,500	361,245	1,401,449	10,107	11,078,925
12 Total Residential EE Revenue Requirement	Line 10 + Line 11	21,149,244	2,211,965	5,470,685	2,628,500	329,315	1,401,449	10,107	33,201,265
13 Estimated Revenues Collected	R11 Exh 2 Line 2								33,634,996
14 Residential EE Revenue Requirement	Line 12 - Line 13								\$ (433,731)
15 Estimated Interest to be Recovered	R11 Exh 4 page 1 Line 25								(29,747)
16 Estimated Residential EE/DSM Revenue Requirement True Up	Line 14 + Line 15								\$ (463,478)
									Caa Fulailait A faurusta

See Exhibit A for rate

	Non-Residential Energy Efficiency Programs		Rider 7	Rider 8 Year 2 Lost Revenue	True-up to
		Reference	Year 2016 Estimate	Estimate	in R
17	Non- Residential EE Program Cost	Year 2016 Exh 2 (B * D) Line 24	\$ 13,492,828		\$
18	Non-Residential EE Earned Utility Incentive	Year 2016 Exh 2 (C * D) Line 24	4,203,327		
19	Total EE Program Cost and Incentive Components	Year 2016 Exh 2 Line 24	17,696,155		
20	Revenue-related taxes and regulatory fees factor		1.004517		
21	Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 21 * Line 22	17,776,089		
22	Non-Residential Net Lost Revenues	R11 Exh 1 page 2 Line 51	1,511,303	3,672,465	
23	Total Non-Residential EE Revenue Requirement	Line 21 + Line 22	19,287,392	3,672,465	
24	Estimated Revenues Collected	R11 Exh 2 Line 8			
25	Non-Residential EE Revenue Requirement	Line 23 + Line 24			
26	Estimated Interest to be Recovered	R11 Exh 4 page 4 Line 12			
27	Estimated Non-Residential EE Revenue Requirement True-Up with Interest	Line 25 + line 26			
28	Projected SC Residential Sales (kWh)	R11 Exhibit 3 Line 10			
29	SC Non-Residential EE billing factor (Cents/kWh)	Line 27 / Line 28 * 100			

Rider 7	Rider 8 Year 2 Lost Revenue	True-up to be Collected	Rider 9 Year 3 Lost Revenue	True Up to be Collected	Rider 10 Year 4 Lost Revenue	True up to be Collected	
Year 2016 Estimate	Estimate	in Rider 9	Estimate	in Rider 10	Estimate	in Rider 11	Year 2016
\$ 13,492,828		\$ 4,824,922		\$ (1)		\$ -	\$ 18,317,749
4,203,327		1,374,876		(132,190)		-	5,446,013
17,696,155		6,199,798		(132,191)		-	23,763,762
1.004517		1.004493		1.004487		1.004450	
17,776,089		6,227,654		(132,784)		-	23,870,958
1,511,303	3,672,465	301,230	3,365,361	(532,294)	1,806,744	(2,579)	10,122,231
19,287,392	3,672,465	6,528,884	3,365,361	(665,078)	1,806,744	(2,579)	33,993,189
							33,223,217
							\$ 769,971
							96,730
							\$ 866,701
							5,020,899,764
							0.0173

Non- Residential DSM Programs

30	Non- Residential DSM Program Cost	Year 2016 Exh 2 (B * D) Line 26
31	Non-Residential DSM Earned Utility Incentive	Year 2016 Exh 2 (C * D) Line 26
32	Total DSM Program Cost and Incentive Components	Year 2016 Exh 2 Line 26
33	Non- Residential Existing DSM Program Revenue Requirement Estimate	Year 2016 Exh 4 Line 3
34	Total DSM Revenue Requirement	Line 32 + Line 33
35	Revenue-related taxes and regulatory fees factor	
36	Total Non-Residential DSM Program Cost and Incentive Revenue Requirements	Line 34 * Line 35
37	Estimated Revenues Collected	R11 Exhibit 2 Line 17
38	Non-Residential DSM Revenue Requirement	Line 36 - Line 37
39	Estimated Interest Due	R11 Exh 4 Page 4 Line 25
40	Estimated Non-Residential DSM Revenue Requirement True Up after Interest	Line 38 + Line 39
41	Projected SC Non-Residential Sales (kWh)	R11 Exhibit 3 Page 1 Line 11
42	SC Non-Residential DSM billing factor	Line 40 / Line 41 * 100

Rider 7	True-up to be Collected	True-up to be Collected	True up to be Collected	
Year 2016 Estimate	in Rider 9	in Rider 10	in Rider 11	Year 2016 Revenue Requirement True up
\$ 4,568,988	\$ (417,013)	\$ (0)		\$ 4,151,975
1,679,535	(175,482)	(13,227)	(0)	1,490,826
6,248,523	(592,495)	(13,227)	(0)	5,642,801
982,277	(173,856)	-		808,421
7,230,800	(766,351)	(13,227)	(0)	6,451,222
1.004517	1.004493	1.004487	1.004450	
7,263,462	(769,794)	(13,287)	(0)	6,480,381
				6,486,453
				(6,072)
				438
				\$ (5,634)
				5,951,336,823
				(0.0001)

Details outlining the change in the program cost and incentive component can be found in Year 2016 Exh 2.
Updated lost revenues by year can be found in R11 Exh 1 page 2. Year 2016 has been updated with most recent participation. Year 4 Lost Revenues are shown as an estimate. They will be trued up in Rider 12.

Year 2016 Exhibit 2
Duke Energy Carolinas

For the Period January 1, 2016 - December 31, 2016

Docket Number 2019-XX-E

Load Impacts and Estimated Revenue Requirements, Excluding Lost Revenue by Program

A B C= A + B D E = C * D

Residential Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	Total Cost	Earned Utility Incentive	System Cost Plus Incentive	SC Retail Kwh Sales Allocation Factor (Year 2016 Exhibit 3 Line 6)	SC Residential Revenue Requirement
EE Programs								
1 Appliance Recycling	21	164,720	\$ 62,017		\$ 18,332	\$ (79,059)	26.8397200%	\$ (21,219)
2 Energy Efficiency Education 3 Energy Efficient Appliances and Devices	1,512 14,518	6,441,283 120,226,223	3,907,380 85,492,137	2,121,607 24,013,998	205,364 7,069,986	2,326,971 31,083,983	26.8397200% 26.8397200%	624,552 8,342,854
4 HVAC Energy Efficiency	2,462	6,294,837	8,020,083	7,821,844	22,798	7,844,642	26.8397200%	2,105,480
5 Income Qualified Energy Efficiency and Weatherization Assistance	649	4,801,478	3,193,753		-	4,780,115	26.8397200%	1,282,970
6 Multi-Family Energy Efficiency	1,572	15,235,497	9,431,790		795,753	3,307,952	26.8397200%	887,845
7 Energy Assessments	1,070	7,389,091	7,555,385		561,552	3,233,877	26.8397200%	867,964
8 Total for Residential Conservation Programs	21,804	160,553,127	\$ 117,662,546	\$ 43,824,697	\$ 8,673,784	\$ 52,498,480		\$ 14,090,446
0.84 Marca France Barrat (4)	74.044	202 500 025	å 24.00F.040	40 700 506	4 204 402	42,002,600	26.02072000/	2 2 4 2 2 2 7
9 My Home Energy Report (1) 10 Total Residential Conservation and Behavioral Programs	71,814 93,618	283,569,925	\$ 21,965,619 \$ 139,628,165		1,284,103 \$ 9.957.888	\$ 12,083,609 \$ 64,582,090	26.8397200%	3,243,207 \$ 17,333,652
10 Total Residential Conservation and Benavioral Programs	93,018	444,123,052	\$ 139,028,105	54,624,202	\$ 9,957,888	\$ 64,582,090		\$ 17,333,052
							SC Residential Peak Demand Allocation Factor (Year 2016, Exhibit 3 Line 14)	C * D
11 Total DSM Programs (2) 12 Total Residential Revenue Requirement	825,492	718,623	\$ 116,785,924	28,330,295	\$ 10,172,397	\$ 38,502,692	10.65301%	\$ 4,101,696 21,435,348
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	Total Cost	Earned Utility Incentive	System Cost Plus Incentive	SC Retail Kwh Sales Allocation Factor (Year 2016 Exhibit 3 Line 6)	SC Residential Revenue Requirement
Non-Residential Programs			-			-		
EE Programs								
13 Non Residential Smart Saver Customer Technical Assessments	1,584	16,953,402	\$ 9,883,019	\$ 2,026,728	\$ 903,473	\$ 2,930,201	26.8397200%	\$ 786,458
14 Non Residential Smart Saver Custom	7,934	52,154,624	40,573,805	7,328,748	3,811,133	11,139,881	26.8397200%	2,989,913
15 Non Residential Smart Saver Energy Efficient Food Service Products	356	3,809,316	2,529,075		253,693	576,741	26.8397200%	154,796
16 Non Residential Smart Saver Energy Efficient HVAC Products	808	3,316,901	3,553,829		239,662	1,709,470	26.8397200%	458,817
17 Non Residential Smart Saver Energy Efficient Lighting Products	29,268	167,342,422	125,156,168		9,846,564	49,380,439	26.8397200%	13,253,571
18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE	368 107	2,494,340 2,462,027	1,637,693 785,803		134,191 57,646	605,004 342,175	26.8397200% 26.8397200%	162,381 91,839
20 Non Residential Energy Efficient Process Equipment Products	50	313,131	288,530		18,728	144,402	26.8397200%	38,757
21 Non Residential Smart Saver Performance Incentive	-	-	-	34,795	(4,001)	30,794	26.8397200%	8,265
22 Small Business Energy Saver	16,110	85,687,928	58,204,978	•	4,930,761	20,259,557	26.8397200%	5,437,608
23 Smart Energy in Offices	3,505	16,842,267	1,920,479	1,059,414	99,022	1,158,436	26.8397200%	310,921
24 Business Energy Report	388	5,561,349	312,882	262,432	<u>-</u>	262,432	26.8397200%	70,436
25 Total for Non-Residential Conservation Programs	60,480	356,937,707	\$ 244,846,261	68,248,660	\$ 20,290,874	\$ 88,539,534		\$ 23,763,762
26 Total DSM Programs							SC Residential Peak Demand Allocation Factor (Year 2016, Exhibit 3 Line 15)	C * D
26 Total DSM Programs 27 Total Non-Residential Revenue Requirement	825,492	718,623	\$ 116,785,924	\$ 28,330,295	10,172,397	\$ 38,502,692	14.65560%	\$ 5,642,801
27 Total Non Residential Revenue Requirement	023,432	710,023	7 110,765,524	20,330,233	10,172,337	30,302,032	14.0330070	29,406,562
Total DSM Program Breakdown							SC Residential Peak Demand Allocation Factor (Year 2016, Exhibit 3 Line 13)	C * D
	455,393		\$ 64,172,625	\$ 13,611,812	5,814,493	19,426,305	EXHIBIT 3 LINE 13)	
		719 622						
29 EnergyWise for Business (Non-Residential)	1,199	718,623	629,002	464,302	18,941	483,243		
30 Power Share Call Option (Non-Residential)	-	-	-	44.054.404	4 222 222	40.500.444		
31 Power Share (Non-Residential)	368,900	740.622	51,984,297		4,338,963	18,593,144	25.200640/	A 0 = 11 12=
32 Total DSM	825,492	718,623	\$ 116,785,924	\$ 28,330,295	\$ 10,172,397	38,502,693	25.30861%	\$ 9,744,497
33 Total All Programs	979,590	801,779,382	501,260,350	151,203,157	40,421,159	191,624,317		50,841,910

⁽¹⁾ My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage.

⁽²⁾ Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Year 2016 Exhibit 3

Duke Energy Carolinas For the Period January 1, 2016 - December 31, 2016 Docket Number 2019-XX-E Allocation Factor Year 2016

			MWH		
Sales	Allocator - 2015				
1	NC Retail MWH Sales, at Generation	Company Records	60,762,752		
2	SC Retail MWH Sales (Excl. Greenwood), at Generation	Company Records	22,311,058		
3	Total Retail, Excluding Greenwood, at Generation	Line 1 + Line 2	83,073,810		
4	Greenwood Retail MWH Sales, at Generation	Company Records	53,197		
5	Total Retail, including Greenwood, at Generation Allocation 1 to state based on kWh sales	Line 3 + Line 4	83,127,007		
6	SC Retail	Line 2 / Line 5	26.83972%		
Dema	nd Allocators - 2015		NC MW	SC MW	Total MW
7	Residential	Company Records	5,403,520	1,703,204	7,106,724
8	Non Residential (SC - Excl. Greenwood)	Company Records	6,525,765	2,343,137	8,868,902
9	Greenwood	Company Records	-	12,374	12,374
10	Total	Line 7 + Line 8+ Line 9	11,929,285	4,058,715	15,988,000
11	Wholesale Peak Demand	Company Records			1,458,384
12	Total System Peak Demand	Line 10 + Line 11			17,446,384
	Allocation 2 to state based on peak demand				
13	SC Retail, Excl. Greenwood	(Line 7, SC + Line 8, SC)/ Line 10 Total	25.30861%		
	Allocation 3 SC res vs non-res Peak Demand to retail syste	em peak			
14	SC Residential	Line 7,SC / Line 10 Total	10.65301%		
15	SC Non-residential	Line 8, SC / Line 10 Total	14.65560%		
	Allocation 4 SC res vs non-res Peak Demand to retail syste	em peak for Existing DSM			
16	SC Residential	Line 7,SC / Line 12 Total	9.76250%		
17	SC Non-residential	Line 8, SC / Line 12 Total	13.43050%		

Duke Energy Carolinas

For the period January 1, 2017 - December 31, 2017

Docket No. 2019-XX-E

Calculation of Year 2017 True up of Shared Savings, Y1 and Y2 Lost Revenues and Estimate Y4 Lost Revenues

				1
	Residential Energy Efficiency Programs		Estima	ate of
Line			Year 4 Lost F	Revenues
1	Residential EE Program Cost	Year 2017 Exh 2 (B * D)		
2	Residential EE Earned Utility Incentive	Year 2017 Exh 2 (C * D)		
3	Total EE Program Cost and Incentive Components	Year 2017 Exh 2 Line 10		
4	Residential DSM Program Cost	Year 2017 Exh 2 (B * E)		
5	Residential DSM Earned Utility Incentive	Year 2017 Exh 2 (C * E)		
6	Total DSM Program Cost and Incentive Components	Year 2017 Exh 2 Line 11		
7	Residential Existing DSM Program Revenue Requirement Estimate	Year 2017 Exhibit 3 Line 3		
8	Total EE/DSM Program Cost and Incentive Components	Line 3 + Line 6+ Line 7		
9	Revenue-related taxes and regulatory fees factor			
10	Total EE Program Cost and Incentive Revenue Requirement	Line 8 * Line 9		
11	Residential Net Lost Revenues	R11 Exh 1 page 3 Line 62	\$	745,549
12	Total Residential EE Revenue Requirement	Line 10 + Line 11		745,549
13	Estimated Revenues Collected	R11 Exh 2 Line 2		
14	Residential EE Revenue Requirement	Line 12 - Line 13	\$	745,549
15	Estimated Interest to be Recovered	R11 Exh 4 page 2 Line 12		
16	Estimated Residential EE/DSM Revenue Requirement True Up	Line 14 + Line 15	\$	745,549

	Rider 8	Rider 9 Year 2	True-up to be Collected	Estimate of	True-up to be Collected	
Year	2017 Estimate	Lost Revenue Estimate	in Rider 10	Year 3 Lost Revenues	in Rider 11	Year 2017
\$	12,383,092		\$ 5,273,485		\$ -	\$ 17,656,577
	1,384,934		2,008,972		(103,353)	3,290,553
	13,768,026		7,282,457		(103,353)	20,947,131
	2,997,324		251,290		-	3,248,614
	1,117,352		68,938		-	1,186,290
	4,114,676		320,228		-	4,434,904
	576,427		22,800		-	599,227
	18,459,129		7,625,485	-	(103,353)	25,981,262
	1.004493		1.004487		1.004450	
	18,542,066		7,659,701		(103,813)	26,097,954
	4,457,989	4,202,002	(197,107)	3,175,509	(125,161)	11,513,231
	23,000,055	4,202,002	7,462,594	3,175,509	(228,974)	37,611,185
						37,922,311
						\$ (311,126)
						708,919
						\$ 397,793

See Exhibit A for rate

	Non-Residential Energy Efficiency Programs			Stimate of
		Reference	Year	4 Lost Revenues
17	Non- Residential EE Program Cost	Year 2017 Exh 2 (B * D) Line 24		
18	Non-Residential EE Earned Utility Incentive	Year 2017 Exh 2 (C * D) Line 24		
19	Total EE Program Cost and Incentive Components	Year 2017 Exh 2 Line 24		
20	Revenue-related taxes and regulatory fees factor			
21	Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 21 * Line 22		
22	Non-Residential Net Lost Revenues	R11 Exh 1 page 3 Line 78	\$	1,199,656
23	Total Non-Residential EE Revenue Requirement	Line 21 + Line 22		1,199,656
24	Estimated Revenues Collected	R11 Exh 2 Line 8		
25	Non-Residential EE Revenue Requirement	Line 23 + Line 24	\$	1,199,656
26	Estimated Interest to be Recovered	R11 Exh 4 page 5 Line 12		
27	Estimated Non-Residential EE Revenue Requirement True-Up with Interest	Line 25 + line 26	\$	1,199,656
28	Projected SC Residential Sales (kWh)	R11 Exhibit 3 Page 1 Line 12		4,924,955,50
29	SC Non-Residential EE billing factor (Cents/kWh)	Line 27 / Line 28 * 100		0.0244
				· ·

Rider 8	Rider 9 Year 2	True-up to be Collected	Estimate of	True-up to be Collected	
Year 2017 Estimate	Lost Revenue Estimate	in Rider 10	Year 3 Lost Revenues	in Rider 11	Year 2017
\$ 14,343,825		\$ 12,031,371		\$ -	\$ 26,375,196
4,131,457	7	3,136,348		1,261,167	8,528,972
18,475,282		15,167,719		1,261,167	34,904,168
1.004493	3	1.004487		1.004450	
18,558,291		15,235,776		1,266,779	35,060,847
2,062,368	9,466,867	(2,154,791)	5,864,726	562,677	15,801,847
20,620,659	9,466,867	13,080,985	5,864,726	1,829,456	50,862,694
					49,836,661
					\$ 1,026,033
					889,970
					\$ 1,916,003
					4,924,955,503
					0.0389

Non- Residential DSM Programs

30 Non- Residential DSM Program Cost

31 Non-Residential DSM Earned Utility Incentive	Year 2017 Exh 2 (C * D) Line
32 Total DSM Program Cost and Incentive Components	Year 2017 Exh 2 Line 26
33 Non- Residential Existing DSM Program Revenue Requirem	ent Estimate Year 2017 Exh 4 Line 3
34 Total DSM Revenue Requirement	Line 32 + Line 33
35 Revenue-related taxes and regulatory fees factor	
36 Total Non-Residential DSM Program Cost and Incentive Re	venue Requirements Line 34 * Line 35
37 Estimated Revenues Collected	R11 Exhibit 2 Line 17
38 Non-Residential DSM Revenue Requirement	Line 36 - Line 37
39 Estimated Interest Due	R11 Exh 4 Page 5 Line 25
40 Estimated Non-Residential DSM Revenue Requirement Tru	e Up after Interest Line 38 + Line 39
41 Projected SC Non-Residential Sales (kWh)	R11 Exhibit 3 Page 1 Line 13
42 SC Non-Residential DSM billing factor	Line 40 / Line 41 * 100

Rider 8	True-up to be Collected	True-up to be Collected	
Year 2017 Estimate	in Rider 10	in Rider 11	Year 2017 Revenue Requirement True up
\$ 4,874,691	\$ (377,480)	\$ -	\$ 4,497,211
1,817,203	(174,966)	-	1,642,237
6,691,894	(552,446)	-	6,139,448
937,471	(107,933)		829,538
7,629,365	(660,379)	-	6,968,986
1.004517	1.004487	1.004450	
7,663,827	(663,342)	-	7,000,484
			7,137,618
			(137,133)
			7,682
			\$ (129,452)
			5,951,336,823
			(0.0022)

Year 2017 Exh 2 (B * D) Line 26

Details outlining the change in the program cost and incentive component can be found in Year 2017 Exh 2.

² Updated lost revenues by year can be found in R11 Exh 1 page 3. Year 2017 has been updated with most recent participation. Year 3 Lost Revenues are shown as an estimate. They will be trued up in Rider 12.

Year 2017 Exhibit 2
Duke Energy Carolinas

For the Period January 1, 2017 - December 31, 2017

Docket Number 2019-XX-E

Load Impacts and Estimated Revenue Requirements, Excluding Lost Revenue by Program

A C = A + B D E = C * D

Residential Programs EE Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)		ystem NPV of Avoided Cost		Total Cost		Earned Utility Incentive	s	ystem Cost Plus Incentive	SC Retail Kwh Sales Allocation Factor (Year 2017 Exhibit 3 Line 6)		C Residential Revenue Requirement
1 Appliance Recycling	_	_	\$	_	\$	5,297		\$ (609)	\$	4,688	27.1285500%	\$	1,272
2 Energy Efficiency Education	1,393	5,932,086	Y	3,796,779	Ţ	2,072,267		198,319	Y	2,270,586	27.1285500%	Y	615,977
3 Energy Efficient Appliances and Devices	24,606	137,959,781		109,223,854		30,275,929		9,079,011		39,354,940	27.1285500%		10,676,424
4 Residential – Smart \$aver Energy Efficiency Program	1,853	6,954,889		7,927,594		7,387,527		62,108		7,449,635	27.1285500%		2,020,978
5 Income Qualified Energy Efficiency and Weatherization Assistance	771	5,341,624		3,379,518		5,493,401		- -		5,493,401	27.1285500%		1,490,281
6 Multi-Family Energy Efficiency	1,918	19,056,155		13,883,086		3,161,750		1,232,954		4,394,703	27.1285500%		1,192,219
7 Energy Assessments 8 Total for Residential Conservation Programs	1,040 31,581	7,720,549 182,965,084	Ś	6,828,624 145,039,455	\$	2,902,310 51,298,482	\$	451,526 11,023,308	\$	3,353,836 62,321,790	27.1285500%	\$	909,847
o Total for Residential Conservation Trograms	31,331	102,303,004	Ψ	143,033,433	7	31,230,402	7	11,023,300	7	02,321,730		Ψ.	10,300,333
9 My Home Energy Report (1)	79,070	311,368,855	\$	23,405,321	\$	13,786,373		1,106,179		14,892,552	27.1285500%		4,040,134
10 Total Residential Conservation and Behavioral Programs	110,651	494,333,939	\$	168,444,776		65,084,855	\$	12,129,488	\$	77,214,343		\$	20,947,131
											SC Residential Peak Demand Allocation Factor (Year 2017, Exhibit 3 Line 14)		C * D
11 Total DSM Programs (2)	846,941	2,943,906	\$	124,226,016		29,752,076	\$	10,864,503	\$	40,616,579	10.91895%	\$	4,434,904
12 Total Residential Revenue Requirement													25,382,035
Non-Residential Programs EE Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)		ystem NPV of Avoided Cost		Total Cost		Earned Utility Incentive	s	ystem Cost Plus Incentive	SC Retail Kwh Sales Allocation Factor (Year 2017 Exhibit 3 Line 6)		C Residential Revenue Requirement
13 Non Residential Smart Saver Customer Technical Assessments	1,627	15,791,732	\$	10,616,111	\$	2,135,919	\$	975,222	\$	3,111,141	27.1285500%	\$	844,007
14 Non Residential Smart Saver Custom	6,010	40,609,855		35,921,968		7,280,168		3,293,807		10,573,975	27.1285500%		2,868,566
15 Non Residential Smart Saver Energy Efficient Food Service Products	112	1,383,542		975,826		305,687		77,066		382,753	27.1285500%		103,835
16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products	894 47,322	2,954,877 270,572,885		3,173,877 249,011,331		1,557,542 66,551,086		185,879 20,982,928		1,743,420 87,534,014	27.1285500% 27.1285500%		472,965 23,746,709
18 Non Residential Energy Efficient Pumps and Drives	687	4,806,849		3,186,443		527,539		305,774		833,313	27.1285500%		226,066
19 Non Residential Energy Efficient ITEE	-	2,945		522		60,885		(6,942)		53,944	27.1285500%		14,634
20 Non Residential Energy Efficient Process Equipment Products	99	651,289		548,581		161,937		44,464		206,401	27.1285500%		55,993
21 Non Residential Smart Saver Performance Incentive	3	12,373		9,433		313,256		(34,940)		278,316	27.1285500%		75,503
22 Small Business Energy Saver	17,263	90,297,362		65,920,718		17,318,666		5,589,236 26,608		22,907,902	27.1285500% 27.1285500%		6,214,582
23 Smart Energy in Offices 24 Business Energy Report	2,138	10,272,154 42,398		1,115,495 722		884,119 126,219		20,008		910,727 126,219	27.1285500%		247,067 34,241
25 Total for Non-Residential Conservation Programs	76,158	437,398,260	\$	370,481,025		97,223,022	\$	31,439,103	\$	128,662,124	27.12233307.5	\$	34,904,168
26 Total DSM Programs	946 041	2.042.006	÷	124 226 016	خ	20.752.076		10.864.503	ć	40.616.570	SC Residential Peak Demand Allocation Factor (Year 2017, Exhibit 3 Line 15)		C * D
27 Total Non-Residential Revenue Requirement	846,941	2,943,906	\$	124,226,016	\$	29,752,076		10,864,503	\$	40,616,579	15.11562%	\$	6,139,448 41,043,615
											SC Residential Peak		41,043,013
Total DSM Program Breakdown											Demand Allocation Factor (Year 2017, Exhibit 3 Line 13)		C * D
28 Power Manager (Residential)	501,118	-	\$	72,328,478	\$	13,991,587		6,708,742		20,700,330			
29 EnergyWise for Business (Non-Residential)	5,453	2,943,906		2,770,718		2,475,377		33,964		2,509,341			
30 Power Share Call Option (Non-Residential)	-	-		-		-		•		-			
31 Power Share (Non-Residential)	340,369	-		49,126,820		13,285,111		4,121,797		17,406,908			
32 Total DSM	846,941	2,943,906	\$	124,226,016	\$	29,752,076	\$	10,864,503		40,616,580	26.03457%	\$	10,574,352
33 Total All Programs	1,033,750	934,676,105		663,151,818		192,059,952		54,433,094		246,493,047			66,425,651

⁽¹⁾ My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage.

⁽²⁾ Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Year 2017 Exhibit 3

Duke Energy Carolinas For the Period January 1, 2017 - December 31, 2017 Docket Number 2019-XX-E Allocation Factor Year 2017

			MWH		
Sales	Allocator - 2016				
1	NC Retail MWH Sales, at Generation	Company Records	60,219,051		
2	SC Retail MWH Sales (Excl. Greenwood), at Generation	Company Records	22,437,625		
3	Total Retail, Excluding Greenwood, at Generation	Line 1 + Line 2	82,656,676		
4	Greenwood Retail MWH Sales, at Generation	Company Records	51,859		
5	Total Retail, including Greenwood, at Generation	Line 3 + Line 4	82,708,535		
	Allocation 1 to state based on kWh sales				
6	SC Retail	Line 2 / Line 5	27.12855%		
Demai	nd Allocators - 2016		NC MW	SC MW	Total MW
7	Residential	Company Records	5,545,784	1,791,145	7,336,929
8	Non Residential (SC - Excl. Greenwood)	Company Records	6,573,854	2,479,566	9,053,420
9	Greenwood	Company Records	-	13,651	13,651
10	Total	Line 7 + Line 8+ Line 9	12,119,638	4,284,362	16,404,000
11	Wholesale Peak Demand	Company Records	, ,	, ,	1,683,179
12	Total System Peak Demand	Line 10 + Line 11			18,087,179
	Allocation 2 to state based on peak demand				
13	SC Retail, Excl. Greenwood	(Line 7, SC + Line 8, SC)/ Line 10 Total	26.03457%		
	Allocation 3 SC res vs non-res Peak Demand to retail syste	em peak			
14	SC Residential	Line 7,SC / Line 10 Total	10.91895%		
15	SC Non-residential	Line 8, SC / Line 10 Total	15.11562%		
	Allocation 4 SC res vs non-res Peak Demand to retail syste	em peak for Existing DSM			
16	SC Residential	Line 7,SC / Line 12 Total	9.90284%		
17	SC Non-residential	Line 8, SC / Line 12 Total	13.70897%		
		,, ==			

Duke Energy Carolinas

For the period January 1, 2018 - December 31, 2018

Docket No. 2019-XX-E Calculation of Year 2018 True up of Shared Savings and Y1 Lost Revenues and Estimate Y2 and Y3 Lost Revenues

	Residential Energy Efficiency Programs		Est	timate of
Line			Year 3 Lo	ost Revenues
1	Residential EE Program Cost	Year 2018 Exh 2 (B * D)		
2	Residential EE Earned Utility Incentive	Year 2018 Exh 2 (C * D)		
3	Total EE Program Cost and Incentive Components	Year 2018 Exh 2 Line 10		
4	Residential DSM Program Cost	Year 2018 Exh 2 (B * E)		
5	Residential DSM Earned Utility Incentive	Year 2018 Exh 2 (C * E)		
6	Total DSM Program Cost and Incentive Components	Year 2018 Exh 2 Line 11		
7	Residential Existing DSM Program Revenue Requirement Estimate	Year 2018 Exhibit 3 Line 3		
8	Total EE/DSM Program Cost and Incentive Components	Line 3 + Line 6+ Line 7		
9	Revenue-related taxes and regulatory fees factor			
10	Total EE Program Cost and Incentive Revenue Requirement	Line 8 * Line 9		
11	Residential Net Lost Revenues	R11 Exh 1 page 4 Line 84	\$	3,901,331
12	Total Residential EE Revenue Requirement	Line 10 + Line 11		3,901,331
13	Estimated Revenues Collected	R11 Exh 2 Line 5		
14	Residential EE Revenue Requirement	Line 12 - Line 13	\$	3,901,331
15	Estimated Interest to be Recovered	R11 Exh 4 page 2 Line 12		
16	Estimated Residential EE/DSM Revenue Requirement True Up	Line 14 + Line 15	\$	3,901,331

	Rider 9	Rider 10 Year 2	True-up to be Collected		
Yea	ar 2018 Estimate	Lost Revenue Estimate	in Rider 11	Year 2018	
\$	15,283,486		\$ 5,847,052	\$ 21,130,538	
	2,823,195		2,039,002	4,862,197	
	18,106,681		7,886,054	25,992,735	1
	3,121,492		(37,195)	3,084,297	
	1,299,438		(120,543)	1,178,895	
	4,420,930		(157,739)	4,263,191	1
	587,633		(69,105)	518,528	
	23,115,244		7,659,211	30,774,455	
	1.004468		1.004450		
	23,218,523		7,693,293	30,911,815	
	6,835,885	2,340,939	(1,094,978)	8,081,846	2
	30,054,408	2,340,939	6,598,315	38,993,662	
				33,785,855	
				\$ 5,207,807	
				544,420	
				\$ 5,752,227	

See Exhibit A for rate

	Non Posidential Energy Efficiency Programs		-	stimate of
	Non-Residential Energy Efficiency Programs			
		Reference	Year 3	Lost Revenues
17	Non- Residential EE Program Cost	Year 2018 Exh 2 (B * D) Line 24		
18	Non-Residential EE Earned Utility Incentive	Year 2018 Exh 2 (C * D) Line 24		
19	Total EE Program Cost and Incentive Components	Year 2018 Exh 2 Line 24		
20	Revenue-related taxes and regulatory fees factor			
21	Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 21 * Line 22		
22	Non-Residential Net Lost Revenues	R11 Exh 1 page 4 Line 100	\$	4,436,280
23	Total Non-Residential EE Revenue Requirement	Line 21 + Line 22		4,436,280
24	Estimated Revenues Collected	R11 Exh 2 Line 14		
25	Non-Residential EE Revenue Requirement	Line 23 + Line 24	\$	4,436,280
26	Estimated Interest to be Recovered	R11 Exh 4 page 6 Line 12		
27	Estimated Non-Residential EE Revenue Requirement True-Up with Interest	Line 25 + line 26	\$	4,436,280
28	Projected SC Residential Sales (kWh)	R11 Exhibit 3 Page 1 Line 14		4,878,266,122
29	SC Non-Residential EE billing factor (Cents/kWh)	Line 27 / Line 28 * 100		0.0909

Rider 9	Rider 10 Year 2	True-up to be Collected		
Year 2018 Estimate	Lost Revenue Estimate	in Rider 11	Year 2018	
\$ 14,905,045		\$ (991,072)	\$ 13,913,973	
5,806,479		1,107,413	6,913,892	
20,711,524		116,341	20,827,865	1
1.004468		1.004450		
20,804,063		116,858	20,920,922	
2,013,322	4,168,069	510,686	6,692,077	2
22,817,385	4,168,069	627,544	27,612,998	
			26,105,951	
			\$ 1,507,047	
			245,884	
			\$ 1,752,931	
			4,878,266,122	
			0.0359	

Non- Residential DSM Programs

30	Non- Residential DSM Program Cost	Year 2018 Exh 2 (B * D) Line 26
31	Non-Residential DSM Earned Utility Incentive	Year 2018 Exh 2 (C * D) Line 26
32	Total DSM Program Cost and Incentive Components	Year 2018 Exh 2 Line 26
33	Non- Residential Existing DSM Program Revenue Requirement Estimate	Year 2018 Exh 3 Line 3
34	Total DSM Revenue Requirement	Line 32 + Line 33
35	Revenue-related taxes and regulatory fees factor	
36	Total Non-Residential DSM Program Cost and Incentive Revenue Requirements	Line 34 * Line 35
37	Estimated Revenues Collected	R11 Exhibit 2 Line 23
38	Non-Residential DSM Revenue Requirement	Line 36 - Line 37
39	Estimated Interest Due	R11 Exh 4 Page 6 Line 25
40	Estimated Non-Residential DSM Revenue Requirement True Up after Interest	Line 38 + Line 39
41	Projected SC Non-Residential Sales (kWh)	R11 Exhibit 3 Page 1 Line 15
42	SC Non-Residential DSM billing factor	Line 40 / Line 41 * 100

Rider 9	True-up to be Collected	
		Year 2018 Revenue
Year 2018 Estimate	in Rider 11	Requirement True up
\$ 4,294,311	\$ 594,878	\$ 4,889,189
1,787,668	81,101	1,868,769
6,081,979	675,980	6,757,959
808,421	13,543	821,964
6,890,400	689,523	7,579,923
1.004468	1.004450	
6,921,186	692,591	7,613,777
		6,613,105
		1,000,672
		126,465
		\$ 1,127,138
		5,966,243,960
		0.0189

Details outlining the change in the program cost and incentive component can be found in Year 2018 Exh 2.
Updated lost revenues by year can be found in R11 Exh 1 page 4. Year 2018 has been updated with most recent participation. Year 2 Lost Revenues are shown as an estimate. They will be trued up in Rider 12.

Year 2018 Exhibit 2
Duke Energy Carolinas

For the Period January 1, 2018 - December 31, 2018

Docket Number 2019-XX-E

Load Impacts and Estimated Revenue Requirements, Excluding Lost Revenue by Program

A B C= A + B D E = C * D

Books 1965	Residential Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	-	rstem NPV of voided Cost		Total Cost		Earned Utility Incentive	s	ystem Cost Plus Incentive	SC Retail Kwh Sales Allocation Factor (Year 2018 Exhibit 4 Line 6)	SC Residenti Revenue Requiremer	
Total Deliver Programs 1,000			_	¢	_	ć	_		ė	¢	_	27 2260600%	ċ	
Total Content of State Angeles and State		- 1.148	4.889.354	Ą	3.328.408	Ą	1.983.960		*	Ş			·	,268
Marches Marc	•												15,403	
Control programme Cont	4 Residential – Smart \$aver Energy Efficiency Program		6,727,882				6,936,157					27.2269600%	1,951	
Part													1,760	
Part Propose													1,385	
Page				<u> </u>		<u> </u>		<u> </u>		\$		27.2269600%	\$ 21,982	247
Trial foot Integrated Conservation and Relativisated Programs 1.7 Head Section Sec	o Total for Residential Conservation Programs	33,410	241,172,314	Y	203,000,030	Y	04,367,330	Y	10,343,003	Ţ	00,737,030		7 21,302	,247
Total Dood Programs (1)	9 My Home Energy Report (1)	81,409	320,613,567	\$	26,342,313	\$	13,220,883		1,508,964		14,729,847	27.2269600%	4,010	,490
Part Part Description Part	10 Total Residential Conservation and Behavioral Programs	120,825	561,785,881	\$	230,142,951		77,608,878	\$	17,858,028	\$	95,466,906		\$ 25,992	,736
Part												Demand Allocation Factor (Year 2018,	C * D	
System My Reduction System Expert System System Expert System System Expert System System Expert System Syst		876,165	2,498,948	\$	131,115,826		30,324,955	\$	11,590,950	\$	41,915,905	10.17082%	\$ 4,263 30,255	
C + C +	EE Programs 13 Non Residential Smart Saver Customer Technical Assessments 14 Non Residential Smart Saver Custom 15 Non Residential Smart Saver Energy Efficient Food Service Products 16 Non Residential Smart Saver Energy Efficient HVAC Products 17 Non Residential Smart Saver Energy Efficient Lighting Products 18 Non Residential Energy Efficient Pumps and Drives 19 Non Residential Energy Efficient ITEE 20 Non Residential Energy Efficient Process Equipment Products 21 Non Residential Smart Saver Performance Incentive 22 Small Business Energy Saver 23 Smart Energy in Offices 24 Business Energy Report	13 4,054 106 893 31,537 421 - 75 168 13,374 310	83,588 30,333,040 1,151,114 2,908,386 178,360,156 2,669,016 17,639 331,222 3,271,186 76,696,523 1,488,592		81,442 28,227,381 891,574 3,470,605 177,833,548 1,966,173 3,605 276,076 2,010,821 56,980,827 175,126	\$	403,829 6,039,114 234,351 1,615,564 25,800,299 276,603 36,197 67,100 475,901 15,939,918 214,783		(37,075) 2,551,651 75,581 213,330 17,483,824 194,301 (3,748) 24,032 176,516 4,719,705 (4,561)	\$	366,754 8,590,765 309,932 1,828,894 43,284,123 470,903 32,449 91,132 652,416 20,659,623 210,222	27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600% 27.2269600%	2,339 84 497 11,784 128 8 24 177 5,624	,856 ,004 ,385 ,952 ,951 ,213 ,835 ,812 ,633 ,987
27 Total Non-Residential Revenue Requirement 876,165 2,498,948 131,115,826 \$30,324,955 11,590,950 \$41,915,905 \$41,915,905 \$50,00000000000000000000000000000000000	26 Total DSM Programs											Demand Allocation Factor (Year 2018,	C * D	
Total DSM Program Breakdown Safe of the Program Breakdown	_	876,165	2,498,948	\$	131,115,826	\$	30,324,955		11,590,950	\$	41,915,905	16.12266%	\$ 6,757 27,585	
29 EnergyWise for Business (Non-Residential) 30 Power Share Call Option (Non-Residential) 31 Power Share (Non-Residential) 32 Total DSM 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 3,045,270 4,164,320 17,052,187 3,045,270 4,164,320 17,052,187 3,045,270 4,164,32	Total DSM Program Breakdown											Demand Allocation Factor (Year 2018,	C * D	
30 Power Share Call Option (Non-Residential) -	28 Power Manager (Residential)	535,418	-	\$	79,032,561	\$	14,383,845		7,434,602		21,818,447			
31 Power Share (Non-Residential) 332,631 - 49,099,348 12,887,867 4,164,320 17,052,187 32 Total DSM 876,165 2,498,948 \$ 131,115,826 \$ 30,324,955 \$ 11,590,950 41,915,906 26.29348% \$ 11,000,000,000,000,000,000,000,000,000,	29 EnergyWise for Business (Non-Residential)	8,117	2,498,948		2,983,917		3,053,243		(7,972)		3,045,270			
32 Total DSM \$ 70,498,948 \$ 131,115,826 \$ 30,324,955 \$ 11,590,950 41,915,906 26.29348% \$ 11,690,950	30 Power Share Call Option (Non-Residential)	-	-		-		-				-			
	31 Power Share (Non-Residential)	332,631			49,099,348		12,887,867	_	4,164,320		17,052,187			
33 Total All Programs 1,047,941 861,595,290 633,175,954 159,037,492 54,842,533 213,880,026 57,8	32 Total DSM	876,165	2,498,948	\$	131,115,826	\$	30,324,955	\$	11,590,950		41,915,906	26.29348%	\$ 11,021	,150
	33 Total All Programs	1,047,941	861,595,290		633,175,954		159,037,492		54,842,533		213,880,026		57,841	,751

⁽¹⁾ My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage.

⁽²⁾ Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Year 2018 Exhibit 3

Duke Energy Carolinas For the Period January 1, 2018 - December 31, 2018 Docket Number 2019-XX-E Actual Existing DSM Program Costs - Year 2018

				Year 2018	
1 Actual total IS/SG credits to be paid for native load programs	Line 9	\$ 5,564,2	67		
				Residential	Non-residential
2 SC retail allocation factor - system peak demand	Year 2018 Exhibit 4, Line 1	6, 17		9.31889%	14.77219%
3 SC retail share IS/SG program costs	Line 1 * Line 2		\$	518,528 \$	821,964

PROGRAM	Jan - D	ec 2018 Credits Paid
4 INTERRUPTIBLE SERVICE CREDITS	\$	3,752,939
5 STANDBY GENERATOR PAYMENTS		332,085
6 WHOLESALE A/C LOAD CONTROL CREDITS		341,504
7 WHOLESALE INTERRUPTIBLE SERVICE CREDITS		1,181,392
8 Wholesale Penalties		(43,652)
9 TOTAL CREDITS	\$	5,564,267

Note: Regulatory fee to be added to total revenue requirement on Vintage Year Exhibit.

Year 2018 Exhibit 4

Duke Energy Carolinas For the Period January 1, 2018 - December 31, 2018 Docket Number 2019-XX-E Allocation Factor Year 2018

			MWH		
Sales	Allocator - 2017				
1	NC Retail MWH Sales, at Generation	Company Records	58,534,269		
2	SC Retail MWH Sales (Excl. Greenwood), at Generation	Company Records	21,917,798		
3	Total Retail, Excluding Greenwood, at Generation	Line 1 + Line 2	80,452,067		
4	Greenwood Retail MWH Sales, at Generation	Company Records	48,295		
5	Total Retail, including Greenwood, at Generation	Line 3 + Line 4	80,500,362		
	Allocation 1 to state based on kWh sales				
6	SC Retail	Line 2 / Line 5	27.22696%		
Demai	nd Allocators - 2017		NC MW	SC MW	Total MW
-	Performance	Constant Broads	5 070 200	4 606 476	6 604 404
/	Residential	Company Records	5,078,308	1,606,176	6,684,484
8	Non Residential (SC - Excl. Greenwood)	Company Records	6,549,145	2,546,091	9,095,236
9	Greenwood	Company Records	-	12,280	12,280
10	Total	Line 7 + Line 8+ Line 9	11,627,453	4,164,547	15,792,000
11	Wholesale Peak Demand	Company Records			1,443,703
12	Total System Peak Demand	Line 10 + Line 11			17,235,703
	Allocation 2 to state based on peak demand				
13	SC Retail, Excl. Greenwood	(Line 7, SC + Line 8, SC)/ Line 10 Total	26.29348%		
	Allocation 3 SC res vs non-res Peak Demand to retail syste	em peak			
14	SC Residential	Line 7,SC / Line 10 Total	10.17082%		
15	SC Non-residential	Line 8, SC / Line 10 Total	16.12266%		
	Allocation 4 SC res vs non-res Peak Demand to retail syste	em peak for Existing DSM			
16	SC Residential	Line 7,SC / Line 12 Total	9.31889%		
17	SC Non-residential	Line 8, SC / Line 12 Total	14.77219%		
_,					

Year 2018 Exhibit 5

Duke Energy Carolinas For the Period January 1, 2018 - December 31, 2018 Docket Number 2019-xx-E Actual Program Costs - Year 2018

System Costs
Months of January 1,
2018 - December 31,

		3- December 31,	D	N I	Davidantial
Energy Efficiency (EE) Programs:		2018	 Residential	Non	-Residential
Energy Efficiency (EE) Programs: 1 My Home Energy Report	\$	13,220,883	13,220,883		
2 Energy Assessments	Ą	2,827,387	2,827,387		
3 Residential – Smart \$aver Energy Efficiency Program		6,936,157	6,936,157		
4 Energy Efficient Appliances and Devices Income Qualified Energy Efficiency and Weatherization		42,579,851	42,579,851		
5 Assistance		6,465,702	6,465,702		
6 Multi-Family Energy Efficiency		3,594,938	3,594,938		
7 Appliance Recycle Program		-	-		
8 Energy Efficiency Education		1,983,960	1,983,960		
9 Nonresidential Smart Saver Performance Incentives		475,901			475,901
10 Smart Saver Custom Technical Assessments		403,829			403,829
11 Smart Saver Custom		6,039,114			6,039,114
12 Smart Saver Efficient Food Service Products		234,351			234,351
13 Smart Saver Efficient HVAC Products		1,615,564			1,615,564
14 Smart Saver Efficient Lighting Products		25,800,299			25,800,299
15 Nonresidential Energy Efficient Pumps and Drives		276,603			276,603
16 Nonresidential Energy Efficient ITEE		36,197			36,197
17 Nonresidential Energy Efficient Process Equipment Produc	cts	67,100			67,100
18 Small Business Energy Saver		15,939,918			15,939,918
19 Smart Energy in Offices		214,783			214,783
20 Business Energy Report		-			
21 Subtotal EE Program Costs	\$	128,712,538	\$ 77,608,879	\$	51,103,659
Demand-Side Management (DSM) Programs:					
22 Power Manager	\$	14,383,845	\$ 14,383,845		
23 EnergyWise for Business		3,053,243			3,053,243
24 Power Share		12,887,867			12,887,867
25 Subtotal DSM Program Costs	\$	30,324,955	\$ 14,383,845	\$	15,941,110
26 Total EE & DSM Program Costs - Year 2018	\$	159,037,493	\$ 91,992,724	\$	67,044,769

Exhibit 6 Duke Energy Carolinas

Changes to DSM/EE Cost Recovery Vintage 2018 True Up January 1, 2018 - December 31, 2018 Changes from Prior Filing Due to Application of M&V and Participation System kWh and kW Impacts Net Free Riders at the Plant

Residential Programs

	Filed in Do	ocket	Filed in Dock	et								Variance attributa	able to Mix of	Variance attrib	outable to		
	2017-65	5-E	2019-XXXX-	E	Overall Var	riance	2017-65-E	2019-XXXX-E	Delta	Variance attributable	to Participation	Measur	res	EM&	V	Sum of Vari	iances
Program Name	kWh	kW	kWh	kW	kWh	kW	System Par	ticipation	Participation	kWh	kW	kWh	kW	kWh	kW	kWh	kW
Energy Efficiency Education Program for Schools	5,604,364	1,316	4,889,354	1,148	(715,010)	(168)	3,533,486	10,242,945	6,709,459	(715,010)	(168)	-	-	-	-	(715,010)	(168)
Energy Efficient Appliances and Devices	97,729,231	11,726	195,316,844	32,803	97,587,613	21,077	9,480	25,293	15,813	146,460,881	18,352	7,685,639	14	(56,558,907)	2,711	97,587,613	21,077
Residential – Smart \$aver Energy Efficiency Program	5,359,616	1,577	6,727,882	1,644	1,368,266	67	10,426	10,681	255	3,844,491	1,175	(1,277,881)	(581)	(1,198,344)	(527)	1,368,266	67
Income Qualified Energy Efficiency and Weatherization Assistance	5,287,477	820	5,211,991	726	(75,487)	(95)	370,882	430,474	59,592	(557,065)	(80)	-	-	481,578	(15)	(75,487)	(95)
Multi-Family Energy Efficiency	22,582,141	2,197	21,309,576	2,167	(1,272,565)	(30)	59,080	55,978	(3,102)	(2,699,719)	(204)	1,427,154	174	-	-	(1,272,565)	(30)
Energy Assessments	7,435,992	1,145	7,716,668	929	280,676	(216)	1,354,138	1,432,263	78,125	984,660	172	-	-	(703,984)	(388)	280,676	(216)
My Home Energy Report	304,386,954	77,277	320,613,567	81,409	16,226,613	4,132	473,837	504,071	30,234	16,226,613	4,132	-	-	-	-	16,226,613	4,132
PowerManager	-	503,304	-	535,418	-	32,114	-	-	-	-	32,114	-	-	-	-	-	32,114
Residential Programs Total	448,385,775	599,362	561,785,881	656,243	113,400,106	56,881	5,811,330	12,701,705	6,890,375	163,544,851	55,493	7,834,912	(393)	(57,979,657)	1,782	113,400,106	56,881

Non-Residential Programs

	Filed in Do		Filed in Dock									Variance attributa		Variance attrib			
	2017-65	<u>-E</u>	2019-XXXX	<u>·E</u>	Overall Var	iance	2017-65-E	2019-XXXX-E	Delta	Variance attributable	to Participation	Measur	res	EM&\	<u>/</u>	Sum of Var	iances
Program Name	kWh	kW	kWh	kW	kWh	kW	System Pa	rticipation	Participation	kWh	kW	kWh	kW	kWh	kW	kWh	kW
Non Residential Smart Saver Custom Technical Assessments	20,322,216	2,320	83,588	13	(20,238,628)	(2,307)	62,136	23,345	(38,791)	-	-	(20,238,628)	(2,307)	-	-	(20,238,628)	(2,307)
Non Residential Smart Saver Custom	95,315,609	10,881	30,333,040	4,054	(64,982,570)	(6,827)	453	2,910	2,457	-	-	(64,982,570)	(6,827)	-	-	(64,982,570)	(6,827)
Non Residential Smart Saver Energy Efficient Food Service Products	817,239	120	1,151,114	106	333,875	(14)	5,124,564	2,189,324	(2,935,240)	723,121	46	421,245	48	(810,491)	(107)	333,875	(14)
Non Residential Smart Saver Energy Efficient HVAC Products	4,345,576	2,007	2,908,386	893	(1,437,191)	(1,113)	14,535,813	2,854,234	(11,681,579)	23,758	158	(973,126)	(1,102)	(487,822)	(169)	(1,437,191)	(1,113)
Non Residential Smart Saver Energy Efficient Lighting Products	92,350,939	12,435	178,360,156	31,537	86,009,217	19,102	2,750	2,480	(270)	53,261,333	4,160	(2,625,547)	291	35,373,431	14,651	86,009,217	19,102
Non Residential Energy Efficient Pumps and Drives Products	2,067,770	305	2,669,016	421	601,246	115	15,935	280	(15,655)	11,845	(1)	(253,717)	(17)	843,118	133	601,246	115
Non Residential Energy Efficient ITEE	3,823,152	0	17,639	-	(3,805,513)	(0)	1,657	3,339	1,682	(1,128,795)	-	(2,673,638)	(0)	(3,080)	-	(3,805,513)	(0)
Non Residential Energy Efficient Process Equipment Products	316,290	31	331,222	75	14,932	44	6,174,765	118	(6,174,647)	218,900	22	(222,046)	(20)	18,078	42	14,932	44
Non Residential Smart Saver Performance Incentive	5,706,017	651	3,271,186	168	(2,434,832)	(484)	47,462,400	4,194,003	(43,268,397)	-	-	(2,434,832)	(484)	-	-	(2,434,832)	(484)
Smart Energy in Offices	41,339,434	8,604	1,488,592	310	(39,850,843)	(8,294)	75,800,000	73,493,029	(2,306,971)	(10,380,698)	(2,161)	(27,305,788)	(5,683)	(2,164,357)	(450)	(39,850,843)	(8,294)
Small Business Energy Saver	93,135,919	17,124	76,696,523	13,374	(16,439,395)	(3,750)	14,013	-	(14,013)	(2,718,672)	(2,304)	-	-	(13,720,723)	(1,447)	(16,439,395)	(3,750)
Business Energy Report	5,051,658	353	-	-	(5,051,658)	(353)	6,863	11,462	4,598	(5,051,658)	(353)	-	-	-	-	(5,051,658)	(353)
EnergyWise for Business	3,530,072	17,034	2,498,948	8,117	(1,031,124)	(8,917)	365,308	313,157	(52,151)	3,560,876	4,835	-	-	(4,592,000)	(13,752)	(1,031,124)	(8,917)
PowerShare	-	388,025	-	332,631	-	(55,394)	-	-	-	-	(55,394)	-	-	-	-	-	(55,394)
Non-Residential Programs Total	368,121,892	459,890	299,809,409	391,698	(68,312,483)	(68,192)	149,566,656	83,087,680	(66,478,976)	38,520,009	(50,992)	(121,288,645)	(16,100)	14,456,153	(1,100)	(68,312,483)	(68,192)
Total Residential and Non-Residential Programs	816,507,667	1,059,251	861,595,290	1.047.941	45,087,623	(11,310)	155,377,986	95,789,386	(59,588,600)	202,064,860	4,501	(113,453,734)	(16,493)	(43,523,504)	682	45,087,623	(11,310)

NOTE - The actual per unit impacts are reflective of the following EM&V reports:

Non Residential Smart Saver Energy Efficient Food Service Products 2019-XV-E Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment — Prescriptive: 2015-2017 Non Residential Smart Saver Energy Efficient HytAC Products 2019-XV-E Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment — Prescriptive: 2015-2017 Non Residential Energy Efficient Pumps and Drives Products 2019-XV-E Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment — Prescriptive: 2015-2017 Non Residential Energy Efficient Pumps and Drives Products 2019-XV-E Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment — Prescriptive: 2015-2017 Non Residential Energy Efficient Process Equipment Process Equipment Products 2019-XV-E Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment — Prescriptive: 2015-2017 Non Residential Energy Efficient Process Equipment Pr	ne As Filed	Docket	Effective Date
Non Residential Smart Saver Energy Efficient Lighting Products 2019-XX-E Exhibit B - Nonresidential Smart \$aver* Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Non Residential Energy Efficient Pumps and Drives Products 2019-XX-E Exhibit B - Nonresidential Smart \$aver* Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Non Residential Energy Efficient Trocess Equipment Products 2019-XX-E Exhibit B - Nonresidential Smart \$aver* Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Non Residential Energy Efficient Process Equipment Products 2019-XX-E Exhibit B - Nonresidential Smart \$aver* Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit C - Residential Energy Efficient Appliances and Devices — Retail Lighting: 2016-2017 Residential – Smart \$aver Energy Efficiency Program 2019-XX-E Exhibit F - Residential Smart \$aver* Energy Efficiency - HVAC: 2016-2017 Income Qualified EE and Weatherization Program 2019-XX-E Exhibit F - Small Business Energy Saver: 2015-2017: Energy Efficient Appliances and Devices 2019-XX-E Exhibit H - Small Business Energy Saver: 2016-2017: Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices — Online Savings Store: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices — Online Savings Store: 2015-2017 Energy Efficient Appliances and Devices — Online Savings Store: 2015-2017	ial Smart Saver Energy Efficient Food Service Products	2019-XX-E	3/1/2017
Non Residential Energy Efficient Pumps and Drives Products 2019-XX-E Exhibit B - Nonresidential Smart \$aver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Non Residential Energy Efficient Process Equipment Products 2019-XX-E Exhibit B - Nonresidential Smart \$aver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Non Residential Energy Efficient Process Equipment Products 2019-XX-E Exhibit B - Nonresidential Smart \$aver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit C - Residential Energy Efficient Appliances and Devices – Retail Lighting: 2016-2017 Residential – Smart \$aver Energy Efficiency Program 2019-XX-E Exhibit F - Residential Smart \$aver® Energy Efficiency - HVAC: 2016-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit G - Income Qualified Energy Efficiency and Weatherization Assistance: 2015-2016 Small Business Energy Saver 2019-XX-E Exhibit G - Income Qualified Energy Efficiency and Weatherization Assistance: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices — Online Savings Store: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices — Online Savings Store: 2015-2017	ial Smart Saver Energy Efficient HVAC Products	2019-XX-E	3/1/2017
Non Residential Energy Efficient TTEE 2019-XX-E Exhibit B - Nonresidential Smart \$aver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Non Residential Energy Efficient Process Equipment Products 2019-XX-E Exhibit B - Nonresidential Smart \$aver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit C - Residential Energy Efficient Appliances and Devices – Retail Lighting: 2016-2017 Residential – Smart \$aver Energy Efficiency Program 2019-XX-E Exhibit F - Residential Smart \$aver® Energy Efficiency - HVAC: 2016-2017 Income Qualified EE and Weatherization Program 2019-XX-E Exhibit G - Income-Qualified Energy Efficiency and Weatherization Assistance: 2015-2016 Small Business Energy Saver 2019-XX-E Exhibit H - Small Business Energy Saver: 2016-2017: Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices – Online Savings Store: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices – Online Savings Store: 2015-2017	ial Smart Saver Energy Efficient Lighting Products	2019-XX-E	3/1/2017
Non Residential Energy Efficient Process Equipment Products 2019-XX-E Energy Efficient Appliances and Devices 2019-XX-E Exhibit B - Nonresidential Smart \$aver * Energy Efficient Appliances and Devices – Retail Lighting: 2016-2017 Residential – Smart \$aver Energy Efficiency Program Income Qualified EE and Weatherization Program 2019-XX-E Exhibit G - Income-Qualified Energy Efficiency and Weatherization Assistance: 2015-2016 Small Business Energy Saver 2019-XX-E Exhibit H - Small Business Energy Saver: 2016-2017: Energy Efficient Appliances and Devices 2019-XX-E Exhibit H - Small Business Energy Saver: 2016-2017: Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices – Online Savings Store: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices – Online Savings Store: 2015-2017	ial Energy Efficient Pumps and Drives Products	2019-XX-E	3/1/2017
Energy Efficient Appliances and Devices 4/1/2017 Residential – Smart \$aver Energy Efficiency Program 2019-XX-E Exhibit F - Residential Smart \$aver® Energy Efficiency - HVAC: 2016-2017 Income Qualified EE and Weatherization Program 2019-XX-E Exhibit G - Income-Qualified Energy Efficiency and Weatherization Assistance: 2015-2016 Small Business Energy Saver 2019-XX-E Exhibit H - Small Business Energy Saver: 2016-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices — Online Savings Store: 2015-2017 Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices — Online Savings Store: 2015-2017	ial Energy Efficient ITEE	2019-XX-E	3/1/2017
Residential – Smart \$aver Energy Efficiency Program 2019-XX-E Exhibit F - Residential Smart \$aver® Energy Efficiency - HVAC: 2016-2017 Income Qualified EE and Weatherization Program 2019-XX-E Exhibit G - Income-Qualified Energy Efficiency and Weatherization Assistance: 2015-2016 Small Business Energy Saver 2019-XX-E Exhibit H - Small Business Energy Saver: 2016-2017: Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficiency - HVAC: 2016-2017 Exhibit G - Income-Qualified Energy Efficiency and Weatherization Assistance: 2015-2016 1/1/2015 7/1/2017 Exhibit J - Residential Energy Efficient Appliances and Devices — Online Savings Store: 2015-2017	ial Energy Efficient Process Equipment Products	2019-XX-E	3/1/2017
Income Qualified EE and Weatherization Program 2019-XX-E Exhibit G - Income-Qualified Energy Efficiency and Weatherization Assistance: 2015-2016 Small Business Energy Saver 2019-XX-E Exhibit H - Small Business Energy Saver: 2016-2017: Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices – Online Savings Store: 2015-2017 2/1/2018	nt Appliances and Devices	2019-XX-E	4/1/2017
Small Business Energy Saver 2019-XX-E Exhibit H - Small Business Energy Saver: 2016-2017: Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices – Online Savings Store: 2015-2017 2/1/2018	Smart \$aver Energy Efficiency Program	2019-XX-E	10/1/2017
Energy Efficient Appliances and Devices 2019-XX-E Exhibit J - Residential Energy Efficient Appliances and Devices – Online Savings Store: 2015-2017	fied EE and Weatherization Program	2019-XX-E	1/1/2015
	s Energy Saver	2019-XX-E	7/1/2017
	nt Appliances and Devices	2019-XX-E	2/1/2018
Energy Assessments 2019-XX-E Exhibit K - Duke Energy Carolinas Residential Energy Assessments Program: 2016-2017	sments	2019-XX-E	5/1/2017
EnergyWise for Business 2019-XX-E Exhibit L - EnergyWise for Business: 2017	or Business	2019-XX-E	1/1/2018

2/25/2019 1:27 PM Year 2018 Exhibit 6

Year 2019 Exhibit 1

Duke Energy Carolinas Docket No. 2019-xx-E Calculation of Year 2019 Estimate of Lost Revenues Year 2

Residential Energy Efficiency Programs

Line		Reference	Year 2 Projections
1	Residential Net Lost Revenues - Year 2	R11 Exh 1 page 4 Line 115	\$2,326,543
2	Projected SC Residential Sales (kWh)	R11 Exh 3 Page 1 Line 3	6,411,363,511
3	SC Residential EE Billing Factor (Cents/kWh)	Line 1 / Line 2	0.0363
	Non-Residential Energy Efficiency Programs		
Line		Reference	Year 2 Projections
4	Non-Residential Net Lost Revenues - Year 2	R11 Exh 1 page 4 Line 129	\$5,929,385
5	Projected SC Non-Residential EE Sales (kWh)	R11 Exh 3 Page 1 Line 16	4,843,914,753
6	SC Non-Residential EE Billing Factor (Cents/kWh)	Line 6 / Line 7	0.1224

Year 2020 Exhibit 1, Page 1

Duke Energy Carolinas Docket No. 2019-xx-E Calculation of Year 2020 Estimate of Earned Utility Savings and Lost Revenues Year 1

Energy Efficiency Programs

Line		Reference	Year 1
1	Residential EE Program Cost	Year 2020 Exh 2 (B * E) Line 10	\$12,563,185
2	Residential EE Earned Utility Incentive	Year 2020 Exh 2 (C * E) Line 10	1,391,140
3	Total EE Program Cost and Incentive Components	Year 2020 Exh 2 Line 10	13,954,325
4	Residential DSM Program Cost	Year 2020 Exh 2 (B * E) Line 11	3,872,361
5	Residential DSM Earned Utility Incentive	Year 2020 Exh 2 (C * E) Line 11	1,319,578
6	Total DSM Program Cost and Incentive Components	Year 2020 Exh 2 Line 11	5,191,939
7	Residential Existing DSM Program Revenue Requirement Estimate	Year 2018 Exhibit 3 Line 3	518,528
8	Total EE/DSM Program Cost and Incentive Components	Line 3 + Line 6+ Line 7	19,664,792
9	Revenue-related taxes and regulatory fees factor		1.004450
10	Total EE Program Cost and Incentive Revenue Requirement	Line 8 * Line 9	19,752,296
11	Residential Net Lost Revenues	R11 Exh 1 page 6 Line 257	6,202,817
12	Total Residential EE Revenue Requirement	Line 10 + Line 11	25,955,113
13	Projected SC Residential Sales (kWh)	R11 Exh 3 Page 1 Line 3	6,411,363,511
14	SC Residential EE Billing Factor (Cents/kWh)	Line 12 / Line 13*100	0.4048

Year 2020 Exhibit 1, Page 2

Duke Energy Carolinas Docket No. 2019-XX-E Calculation of Year 2020 Estimated Earned Utility Savings and Year 1 Lost Revenue Estimate

Non-Residential Energy Efficiency Programs

Line		Reference	Year 1
1	Non- Residential EE Program Cost	Year 2020 Exh 2 (B * E) Line 25	\$14,119,560
2	Non-Residential EE Earned Utility Incentive	Year 2020 Exh 2 (C * E) Line 25	4,092,959
3	Total EE Program Cost and Incentive Components	Year 2020 Exh 2 Line 25	18,212,519
4	Revenue-related taxes and regulatory fees factor		1.0044498
5	Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 3 * Line 4	18,293,562
6	Non-Residential Net Lost Revenues	R11 Exh 1 p 6 Line 278	1,927,422
7	Total Non-Residential EE Revenue Requirement	Line 5 + Line 6	20,220,983
8	Projected SC Non-Residential Sales (kWh)	R11 Exh 3 Page 1 Line 18	4,843,914,753
9	SC Non-Residential EE billing factor (Cents/kWh)	Line 7 / Line 8 *100	0.4175

Non- Residential DSM Programs

			Year 1
10	Non-Residential DSM Program Cost	Year 2020 Exh 2 (B * E) Line 26	\$6,138,419
11	Non-Residential DSM Earned Utility Incentive	Year 2020 Exh 2 (C * E) Line 26	2,091,779
12	Total Non-Residential DSM Program Cost and Incentive Components	Year 2020 Exh 2 Line 26	8,230,198
13	Non-Residential Existing DSM Program Revenue Requirement	Year 2018 Exhibit 3 Line 3	821,964
14	Total Non-Residential SAW & Existing DSM Program Revenue Requirement	Line 12 + Line 13	9,052,163
15	Revenue-related taxes and regulatory fees factor		1.0044498
16	Total Non-Residential DSM Revenue Requirement	Line 14 * Line 15	9,092,443
17	Projected SC Non-Residential Sales (kWh)	R11 Exh 3 p 1 Line 19	5,964,865,760
18	SC Non-Residential DSM billing factor	Line 16 / Line 17 * 100	0.1524

Year 2020 Exhibit 2 **Duke Energy Carolinas**

For the Period January 1, 2020 - December 31, 2020 Docket Number 2019-XX-E

Load Impacts and Estimated Revenue Requirements, Excluding Lost Revenue by Program

В (A-B)*11.5% = C D= B + C F = D * E

Residential Programs EE Programs 1 Appliance Recycling Summer Peak (kWh) Cost Farned Utility Incentive Farned Utility Incentive	27.22696% 27.22696% 27.22696% 27.22696% 27.22696%	Requirement -
	27.22696% 27.22696%	\$ -
1 Appliance Recycling	27.22696% 27.22696%	7
2 Energy Efficiency Education 1,652 7,034,771 \$ 3,562,288 \$ 2,621,628 108,176 2,729,804	27.22696%	743,243
3 Energy Efficient Appliances and Devices 10,988 47,578,710 \$ 30,439,180 \$ 9,114,148 2,452,379 11,566,527	27.22696%	3,149,214
4 Residential – Smart \$aver Energy Efficiency Program 2,718 10,603,088 \$ 10,396,723 \$ 7,663,598 314,309 7,977,908		2,172,142
5 Income Qualified Energy Efficiency and Weatherization Assistance 653 4,245,993 \$ 1,838,778 \$ 8,689,280 - 8,689,280	27.22696%	2,365,827
6 Multi-Family Energy Efficiency 2,034 20,196,677 \$ 10,891,961 \$ 3,613,126 837,066 4,450,192	27.22696%	1,211,652
7 Energy Assessments 725 6,119,618 \$ 3,750,092 \$ 2,795,258 109,806 2,905,064 8 Total for Residential Conservation Programs 18,769 95,778,857 60,879,022 \$ 34,497,038 \$ 3,821,736 \$ 38,318,774	27.22696%	790,961 \$ 10,433,037
6 Total for Residential Conservation Programs 5,621,750 \$ 56,516,774		\$ 10,455,057
9 My Home Energy Report (1) 77,745 306,337,865 \$ 22,842,669 \$ 11,645,405 1,287,685 12,933,091	27.22696%	3,521,287
10 Total Residental Conservation and Behavioral Programs 96,515 402,116,722 83,721,691 \$ 46,142,443 \$ 5,109,421 \$ 51,251,865		\$ 13,954,325
	SC Residential Peak Demand Allocation Factor (Year 2020, Exhibit 3 Line 14)	D * E
11 Total DSM Programs (2) 12 Total Residential Revenue Requirement 976,260 976,260 2,557,590 150,891,998 \$ 38,073,241 \$ 12,974,157 \$ 51,047,398	10.17082%	\$ 5,191,939 19,146,264
ncentive	SC Retail Kwh Sales Allocation Factor (Year 2020 Exhibit 3 Line 6)	SC Residential Revenue Requirement
EE Programs		
13 Non Residential Smart Saver Customer Technical Assessments 908 7,950,216 \$ 4,322,773 \$ 1,414,676 \$ 334,431 \$ 1,749,107	27.22696%	\$ 476,228.71
14 Non Residential Smart Saver Custom 7,658 67,082,262 \$ 36,474,656 \$ 10,756,254 2,957,616 13,713,870	27.22696%	\$ 3,733,869.94
15 Non Residential Smart Saver Energy Efficient Food Service Products 288 4,363,034 \$ 1,950,673 \$ 1,435,926 59,196 1,495,122	27.22696%	\$ 407,076.30
16 Non Residential Smart Saver Energy Efficient HVAC Products 756 2,546,698 \$ 2,232,462 \$ 1,358,750 100,477 1,459,227	27.22696%	\$ 397,303.21
17 Non Residential Smart Saver Energy Efficient Lighting Products 23,878 131,137,431 \$ 93,298,478 \$ 21,546,401 8,251,489 29,797,890	27.22696%	\$ 8,113,059.55
18 Non Residential Energy Efficient Pumps and Drives 730 4,603,201 \$ 2,421,254 \$ 653,139 203,333 856,472	27.22696%	\$ 233,191.30
19 Non Residential Energy Efficient ITEE - 323,520 \$ 40,421 \$ 71,858 (3,615) 68,243 20 Non Residential Energy Efficient Process Equipment Products 85 547,055 \$ 369,964 \$ 172,146 22,749 194,895	27.22696% 27.22696%	\$ 18,580.48 \$ 53,064.01
20 Non Residential Smart Saver Performance Incentive 2,797 22,097,800 \$ 12,465,804 \$ 3,810,989 995,304 4,806,293	27.22696%	\$ 1,308,607.43
22 Small Business Energy Saver 8,756 50,048,128 \$ 29,001,776 \$ 10,638,607 2,111,764 12,750,371	27.22696%	\$ 3,471,538.54
23 Smart Energy in Offices - \$ - \$	27.22696%	\$ -
24 Business Energy Report	27.22696%	\$ -
25 Total for Non-Residential Conservation Programs 45,856 290,699,344 182,578,259 \$ 51,858,747 \$ 15,032,744 \$ 66,891,491		\$ 18,212,519
	SC Non -Residential Peak Demand Allocation Factor (Year 2020, Exhibit 3 Line 15)	D * E
26 Total DSM Programs 976,260 2,557,590 150,891,998 \$ 38,073,241 12,974,157 \$ 51,047,398 27 Total Non-Residential Revenue Requirement	16.12266%	\$ 8,230,198 26,442,718
	SC Retail Peak Demand Allocation Factor (Year	D * E
-	2020, Exhibit 3 Line 13)	
28 Power Manager (Residential) - \$ 94,374,567 \$ 19,391,626 8,623,038 28,014,665		
29 EnergyWise for Business (Non-Residential) 17,397 2,557,590 \$ 4,045,639 \$ 5,098,177 (121,042) 4,977,135		
30 Power Share CallOption (Non-Residential)		
31 Power Share (Non-Residential) 342,625 - \$ 52,471,792 \$ 13,583,438 4,472,161 18,055,598		
32 Total DSM 976,260 2,557,590 150,891,998 \$ 38,073,241 \$ 12,974,157 51,047,398	25.30861%	\$ 12,919,387
33 Total All Programs 1,118,630 695,373,655 417,191,949 136,074,432 33,116,322 169,190,754		45,588,982

⁽¹⁾ My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage.

(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Year 2020 Exhibit 3

Duke Energy Carolinas For the Period January 1, 2020 - December 31, 2020 Docket Number 2019-XX-E Allocation Factor Estimate Year 2020

			MWH		
Sales	Allocator - 2017				
1	NC Retail MWH Sales, at Generation	Company Records	58,534,269		
2	SC Retail MWH Sales (Excl. Greenwood), at Generation	Company Records	21,917,798		
3	Total Retail, Excluding Greenwood, at Generation	Line 1 + Line 2	80,452,067		
4	Greenwood Retail MWH Sales, at Generation	Company Records	48,295		
5	Total Retail, including Greenwood, at Generation Allocation 1 to state based on kWh sales	Line 3 + Line 4	80,500,362		
6	SC Retail	Line 2 / Line 5	27.22696%		
Demai	nd Allocators - 2017		NC MW	SC MW	Total MW
7	Residential	Company Records	5,078,308	1,606,176	6,684,484
8	Non Residential (SC - Excl. Greenwood)	Company Records	6,549,145	2,546,091	9,095,236
9	Greenwood	Company Records	-	12,280	12,280
10	Total	Line 7 + Line 8+ Line 9	11,627,453	4,164,547	15,792,000
11	Wholesale Peak Demand	Company Records			1,443,703
12	Total System Peak Demand	Line 10 + Line 11			17,235,703
	Allocation 2 to state based on peak demand				
13	SC Retail, Excl. Greenwood	(Line 7, SC + Line 8, SC)/ Line 10 Total	26.29348%		
	Allocation 3 SC res vs non-res Peak Demand to retail syste	em peak			
14	SC Residential	Line 7,SC / Line 10 Total	10.17082%		
15	SC Non-residential	Line 8, SC / Line 10 Total	16.12266%		
	Allocation 4 SC res vs non-res Peak Demand to retail syste	em peak for Existing DSM			
16	SC Residential	Line 7,SC / Line 12 Total	9.31889%		
17	SC Non-residential	Line 8, SC / Line 12 Total	14.77219%		
		· ·			

Rider 11 Exhibit 1, page 1

Duke Energy Carolinas For the Period January 1, 2015 - December 31, 2020 Docket Number 2019-xx-E South Carolina Lost Revenues Vintage Year 2014-2020

Year 2015	20	15 (1/2 year)	2016 ^(a)	2017 ^(a)	2018	2019	2020		Total
Residential									
1 Appliance Recycling	\$	42,084 \$	78,530 \$	78,299 \$	36,508			\$	235,421
2 Energy Efficiency Education Program for Schools		22,398	64,563	64,374	42,207				193,543
3 Energy Efficient Applicances and Devices		1,243,191	2,082,649	2,076,546	841,756				6,244,143
4 HVAC Energy Efficiency		38,085	68,587	68,387	30,579				205,637
5 Income Qualified Energy Efficiency and Weatherization Assistance		27,717	49,210	49,066	21,545				147,539
6 Multi-Family Energy Efficiency		83,286	174,419	173,914	91,399				523,01
7 My Home Energy Report		2,494,338	-	-	-				2,494,338
8 Energy Assessments		112,623	191,847	191,282	79,395				575,146
9 Total Lost Revenues	\$	4,063,721 \$	2,709,806 \$	2,701,867 \$	1,143,389			\$	10,618,78
0 Found Residential Revenue		-	-	-	-				-
			2,709,806 \$	2,701,867 \$	1,143,389			Ś	10,618,78
	\$	4,063,721 \$				2010	2020	<u> </u>	
Net Lost Residential Revenue Non-Residential	20	4,063,721 \$ 15 (1/2 year)	2016 ^(a)	2017 ^(a)	2018	2019	2020	<u> </u>	Total
Non-Residential	\$ 20: \$					2019	2020	\$	
Non-Residential Non Residential Smart Saver Custom Technical Assessments		15 (1/2 year)	2016 ^(a)	2017 ^(a)		2019	2020	\$	Total -
Non-Residential Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom		15 (1/2 year) - \$	2016 ^(a) - \$	2017 ^(a) - \$	2018	2019	2020	\$	Total - 895,36
Non-Residential Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products		15 (1/2 year) - \$ 161,118	2016 ^(a) - \$ 297,731	2017 ^(a) - \$ 298,222	2018 - 138,298	2019	2020	\$	Total - 895,369 43,82
Non-Residential Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products		15 (1/2 year) - \$ 161,118 8,672	2016 ^(a) - \$ 297,731 14,608	2017 ^(a) - \$ 298,222 14,626	2018 - 138,298 5,914	2019	2020	\$	Total - 895,369 43,823 124,649
Non-Residential Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products		15 (1/2 year) - \$ 161,118 8,672 25,013	2016 ^(a) - \$ 297,731 14,608 41,466	2017 ^(a) - \$ 298,222 14,626 41,605	2018 - 138,298 5,914 16,560	2019	2020	\$	Total - 895,369 43,822 124,649 2,471,520
Non-Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE		15 (1/2 year) - \$ 161,118 8,672 25,013 503,262	2016 ^(a) - \$ 297,731 14,608 41,466 837,360	2017 ^(a) - \$ 298,222 14,626 41,605 810,323	2018 - 138,298 5,914 16,560 320,574	2019	2020	\$	Total 895,369 43,823 124,649 2,471,520 91,230
Non-Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products		15 (1/2 year) - \$ 161,118 8,672 25,013 503,262 21,482 86 -	2016 ^(a) - \$ 297,731 14,608 41,466 837,360 30,380 99 -	2017 ^(a) - \$ 298,222 14,626 41,605 810,323 30,466 99 -	2018 - 138,298 5,914 16,560 320,574 8,902 13	2019	2020	\$	Total - 895,369 43,822 124,649 2,471,520 91,230 296
Non-Residential Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products Small Business Energy Saver		15 (1/2 year) - \$ 161,118 8,672 25,013 503,262 21,482 86 - 687,783	2016 (a) - \$ 297,731 14,608 41,466 837,360 30,380 99 - 1,384,241	2017 ^(a) - \$ 298,222 14,626 41,605 810,323 30,466 99	2018 - 138,298 5,914 16,560 320,574 8,902	2019	2020	\$	Total - 895,369 43,829 124,649 2,471,520 91,230 290 - 4,149,666
Non-Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products Small Business Energy Saver Smart Energy in Offices		15 (1/2 year) - \$ 161,118 8,672 25,013 503,262 21,482 86 - 687,783 70,504	2016 ^(a) - \$ 297,731 14,608 41,466 837,360 30,380 99 - 1,384,241 24,200	2017 ^(a) - \$ 298,222 14,626 41,605 810,323 30,466 99 - 1,385,040 -	2018 - 138,298 5,914 16,560 320,574 8,902 13 - 692,603	2019	2020	\$	Total - 895,36 43,82 124,64 2,471,52 91,23 29 - 4,149,66 94,70
Non-Residential Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products Small Business Energy Saver Smart Energy in Offices EnergyWise for Business		15 (1/2 year) - \$ 161,118 8,672 25,013 503,262 21,482 86 - 687,783 70,504 112	2016 (a) - \$ 297,731 14,608 41,466 837,360 30,380 99 - 1,384,241 24,200 1,342	2017 ^(a) - \$ 298,222 14,626 41,605 810,323 30,466 99 - 1,385,040 - 1,342	2018 - 138,298 5,914 16,560 320,574 8,902 13 - 692,603 - 1,218	2019	2020	\$	Total - 895,36 43,82 124,64 2,471,52 91,23 29 - 4,149,66 94,70 4,01
Non-Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products Small Business Energy Saver Smart Energy in Offices EnergyWise for Business Total Lost Revenues		15 (1/2 year) - \$ 161,118 8,672 25,013 503,262 21,482 86 - 687,783 70,504	2016 (a) - \$ 297,731 14,608 41,466 837,360 30,380 99 - 1,384,241 24,200 1,342 2,631,427 \$	2017 (a) - \$ 298,222 14,626 41,605 810,323 30,466 99 - 1,385,040 - 1,342 2,581,724 \$	2018 - 138,298 5,914 16,560 320,574 8,902 13 - 692,603 - 1,218 1,184,082	2019	2020	\$	Total - 895,369 43,822 124,649 2,471,520 91,230 290 - 4,149,665 94,709 4,014 7,875,269
Non-Residential Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products Small Business Energy Saver Smart Energy in Offices EnergyWise for Business		15 (1/2 year) - \$ 161,118 8,672 25,013 503,262 21,482 86 - 687,783 70,504 112	2016 (a) - \$ 297,731 14,608 41,466 837,360 30,380 99 - 1,384,241 24,200 1,342	2017 ^(a) - \$ 298,222 14,626 41,605 810,323 30,466 99 - 1,385,040 - 1,342	2018 - 138,298 5,914 16,560 320,574 8,902 13 - 692,603 - 1,218	2019	2020	\$	

(a) Lost revenues were estimated by applying forecasted lost revenue rates for residential and non-residential customers to state specific program participation.

South Carolina Lost Revenues Vintage Year 2014-2020

Rider 11 Exhibit 1, Page 2

February Efficiency Efficiency Efficiency 13,339 113,501 5 64,034 34,1265 Energy Efficiency Efficiency 1944,037 1945,037 1944,037 1945,037 1945,037 HALF-ENERGY Efficiency 1945,037 1945,037 1945,037 1945,037 1945,037 HALF-ENERGY Efficiency 1945,037 1945,037 1945,037 1945,037 1945,037 1945,037 HALF-ENERGY Efficiency 1945,037 1945,037 1945,037 1945,037 1945,037 1945,037 1945,037 1945,037 1945,037 1945,037 1945,037 1945,037 HALF-ENERGY EFFICIENCY 1945,037 19		Year 2016	2015	2016	(1/2 year) ^(a)	2017 ^(a)	2018	2019	2020		Total
Februs Fiftienery Efficiency adjustance and Devices 49,651 113,501 5 113,001 5 64,034 331,1362 5 64,034 5 64,		Residential	<u></u>								
Energy Efficient Applicances and Devices 1912,000 1984,000 1990,000	26	Appliance Recycling		\$	1,156 \$	2,445 \$	2,453 \$	1,293		\$	7,347
MAC Energy Efficiency 19,000 19,0	27	Energy Efficiency Education Program for Schools			49,651	113,539 \$	113,901 \$	64,034			341,126
1 1 1 1 1 1 1 1 1 1	28	Energy Efficient Applicances and Devices						1,074,622			5,962,187
Multi-Family Energy Efficiency 107,545 228,94 5 23,717 5 125,659 6.09,844,61 3.249,461 5 5 5 5 5 3.249,461 3.249,461 5 5 5 5 5 5 3.249,461 3.249,461 3.249,461 5 5 5 5 5 5 5 5 5	29					•		39,768			196,557
Age My Home Energy Report 3,249,661	30	Income Qualified Energy Efficiency and Weatherization Assistance			30,781	65,434 \$	65,637 \$	•			196,596
Bergy Assessments	31				107,545	232,892 \$	233,717 \$	125,659			699,814
Total Lost Revenues	32	My Home Energy Report			3,249,461	- \$	- \$	-			3,249,461
Not. Lost Residential Revenue St. 1,261,312 St. 2,616,313 St. 1,401,449 St. 1,078,925 St. 2,614,131 St. 2,019	33	Energy Assessments			80,627	141,718 \$	142,164 \$	61,328			425,837
Net Lost Residential Revenue \$ 4,457,455 \$ 2,605,892 \$ 2,614,130 \$ 1,401,449 \$ 11,078,925 \$ 1,078,	34	Total Lost Revenues		\$	4,457,455 \$	2,605,892 \$	2,614,130 \$	1,401,449		\$	11,078,925
Non-Residential Non-Residential Custom Assessments \$ 2016 1/2 year \$ 12,263 \$ 71,091 \$ 2018 \$ 2019 \$ 2020 \$ 2018 \$ 2018 \$ 2019 \$ 2018 \$ 2	35	Found Residential Revenue			-	-	-	-			-
Smart Saver® for Non-Residential Custom Assessments \$ 12,263	36	Net Lost Residential Revenue		\$	4,457,455 \$	2,605,892 \$	2,614,130 \$	1,401,449		\$	11,078,925
38 Smart Saver® for Non-Residential Custom Incentives 101,444 182,977 \$ 184,357 \$ 81,340 550,117 39 Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products 23,846 40,687 \$ 41,424 \$ 72,782 178,739 40 Smart Saver® for Non-Residential Customers - HVAC 804,138 1,793,295 \$ 1,779,130 \$ 16,890 4,933,453 41 Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products 9,796 23,804 \$ 24,007 \$ 981,631 1,93,238 42 Smart Saver® for Non-Residential Customers - Energy Efficient Products 34 7.79 \$ 13,977 1,91,69 43 Smart Saver® for Non-Residential Customers - Energy Efficient TEE 1,882 2,731 \$ 2,725 45 45 7,383 44 Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products 5,892 1,134,713 \$ 1,129,191 \$ 575,153 3,398,179 45 Smart Saver® for Non-Residential Customers - Small Business Energy Efficient Process Equipment Products 7,982 24,541 5 - - - - </th <th></th> <th></th> <th></th> <th></th> <th>1-1</th> <th>/ \</th> <th></th> <th></th> <th></th> <th></th> <th></th>					1-1	/ \					
38 Smart Saver® for Non-Residential Custom Incentives 101,444 182,977 \$ 184,357 \$ 81,340 550,117 39 Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products 23,846 40,687 \$ 41,424 \$ 72,782 178,739 40 Smart Saver® for Non-Residential Customers - HVAC 804,138 1,793,295 \$ 1,779,130 \$ 16,890 4,933,453 41 Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products 9,796 23,804 \$ 24,007 \$ 981,631 1,932,238 42 Smart Saver® for Non-Residential Customers - Energy Efficient Products 34 7,79 \$ 13,977 1,916,93 43 Smart Saver® for Non-Residential Customers - Energy Efficient ITEE 1,882 2,731 \$ 2,725 45 45 7,383 45 Smart Saver® for Non-Residential Customers - Small Business Energy Efficient Process Equipment Products 5,959,122 1,134,713 \$ 1,129,191 \$ 575,153 3,398,179 46 Smart Saver® for Non-Residential Customers - Small Business Energy Efficient Process Equipment Products 7,982 24,541 \$ - \$ - \$ -		Non-Residential	2015	2016	(1/2 year) ^(a)	2017 ^(a)	2018	2019	2020		Total
39 Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products 23,846 40,687 \$ 41,424 \$ 72,782 178,739 40 Smart Saver® for Non-Residential Customers - HVAC 804,138 1,793,295 \$ 1,779,130 \$ 16,890 4,393,453 41 Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products 9,796 23,804 \$ 24,007 \$ 981,631 1,039,238 42 Smart Saver® for Non-Residential Customers - Energy Efficient ITEE 34 79 \$ 7,82 4,577 \$ 13,977 1,139,773 45 Smart Saver® for Non-Residential Customers - Energy Efficient ITEE 1,882 2,731 \$ 2,725 \$ 45 5 7,383 45 Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products - - - - 8 5 851 851 45 Smart Saver® for Non-Residential Customers - Small Business Energy Saver 559,122 1,134,713 \$ 1,129,191 \$ 575,153 3,398,179 3,336,379 3,336,379 3,337,381 \$ 1,229,191 \$ 575,153 3,398,179 3,363,373 3,363,373 \$ 1,	37		2015						2020	<u> </u>	
40 Smart Saver® for Non-Residential Customers - HVAC 804,138 1,793,295 \$ 1,799,130 \$ 16,890 4,393,453 41 Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products 9,796 23,804 \$ 24,007 \$ 981,631 1,039,238 42 Smart Saver® for Non-Residential Customers - Pumps and Drives Products 34 79 \$ 78 \$ 13,977 14,169 43 Smart Saver® for Non-Residential Customers - Energy Efficient ITEE 1,882 2,731 \$ 2,725 \$ 45 5 45 7,383 44 Smart Saver® for Non-Residential Customers - Energy Efficient Products - - - - - \$ 851 851 851 45 Smart Saver® for Non-Residential Customers - Small Business Energy Saver 559,122 1,134,713 \$ 1,129,919 \$ 575,153 3,398,179 46 Business Energy Report - - - - - - - - - </th <th>37 38</th> <th>Smart Saver® for Non-Residential Custom Assessments</th> <th>2015</th> <th></th> <th>12,263 \$</th> <th>71,091 \$</th> <th>73,627 \$</th> <th>58,868</th> <th>2020</th> <th>\$</th> <th>215,849</th>	37 38	Smart Saver® for Non-Residential Custom Assessments	2015		12,263 \$	71,091 \$	73,627 \$	58,868	2020	\$	215,849
41Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products9,79623,804\$ 24,007\$ 981,6311,039,23842Smart Saver® for Non-Residential Customers - Pumps and Drives Products3479\$ 78\$ 13,97714,16943Smart Saver® for Non-Residential Customers - Energy Efficient ITEE1,8822,731\$ 2,721\$ 854585144Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products5-\$ -\$ 8585185145Smart Saver® for Non-Residential Customers - Small Business Energy Saver559,1221,134,713\$ 1,129,191\$ 575,1533,398,17946Smart Saver® for Non-Residential Customers - Smart Energy in Office70,82224,541\$ -\$ -\$ -\$ -47Business Energy Report5,89511,102\$ 10,998\$ 5,20733,20348Energy Wise for Business5,89511,102\$ 10,998\$ 5,20733,20349Total Lost Revenues\$ 1,608,722\$ 3,377,313\$ 3,337,388\$ 1,806,744\$ 10,130,16750Found Non-Residential Revenue2,6312,4042,4044974975 10,313,187	38	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives	2015		12,263 \$ 101,444	71,091 \$ 182,977 \$	73,627 \$ 184,357 \$	58,868 81,340	2020	\$	215,849 550,117
42 Smart Saver® for Non-Residential Customers - Pumps and Drives Products 34 79 \$ 78 \$ 13,977 14,169 43 Smart Saver® for Non-Residential Customers - Energy Efficient ITEE 1,882 2,731 \$ 2,725 \$ 45 7,883 44 Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products - - \$ - \$ 851 851 45 Smart Saver® for Non-Residential Customers - Small Business Energy Saver 559,122 1,134,713 \$ 1,129,191 \$ 575,153 3,398,179 46 Smart Saver® for Non-Residential Customers - Smart Energy in Office 70,822 24,541 \$ - </th <th>38 39</th> <th>Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products</th> <th>2015</th> <th></th> <th>12,263 \$ 101,444 23,846</th> <th>71,091 \$ 182,977 \$ 40,687 \$</th> <th>73,627 \$ 184,357 \$ 41,424 \$</th> <th>58,868 81,340 72,782</th> <th>2020</th> <th>\$</th> <th>215,849 550,117 178,739</th>	38 39	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products	2015		12,263 \$ 101,444 23,846	71,091 \$ 182,977 \$ 40,687 \$	73,627 \$ 184,357 \$ 41,424 \$	58,868 81,340 72,782	2020	\$	215,849 550,117 178,739
43Smart Saver® for Non-Residential Customers - Energy Efficient ITEE1,8822,731\$ 2,725\$ 457,88344Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products\$ -\$ 85185145Smart Saver® for Non-Residential Customers - Small Business Energy Saver559,1221,134,713\$ 1,129,191\$ 575,1533,398,17946Smart Saver® for Non-Residential Customers - Smart Energy in Office70,82224,541\$ -\$ -\$ -\$ -48EnergyWise for Business5,89511,102\$ 10,998\$ 5,20733,20349Total Lost Revenues\$ 1,608,722\$ 3,377,313\$ 3,337,388\$ 1,806,744\$ 10,130,16750Found Non-Residential Revenue2,6312,4042,4044977,936	38 39 40	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC	2015		12,263 \$ 101,444 23,846 804,138	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$	58,868 81,340 72,782 16,890	2020	\$	215,849 550,117 178,739 4,393,453
45 Smart Saver® for Non-Residential Customers - Small Business Energy Saver 559,122 1,134,713 \$ 1,129,191 \$ 575,153 3,398,179 46 Smart Saver® for Non-Residential Customers - Smart Energy in Office 70,822 24,541 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	38 39 40 41	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products	2015		12,263 \$ 101,444 23,846 804,138 9,796	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$	58,868 81,340 72,782 16,890 981,631	2020	\$	215,849 550,117 178,739
46 Smart Saver® for Non-Residential Customers - Smart Energy in Office 70,822 24,541 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	38 39 40 41 42	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products	2015		12,263 \$ 101,444 23,846 804,138 9,796 34	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$	58,868 81,340 72,782 16,890 981,631 13,977	2020	\$	215,849 550,117 178,739 4,393,453 1,039,238
47 Business Energy Report - - \$ - - \$ - - \$ - - \$ - - - - <th>38 39 40 41 42</th> <th>Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products Smart Saver® for Non-Residential Customers - Energy Efficient ITEE</th> <th>2015</th> <th></th> <th>12,263 \$ 101,444 23,846 804,138 9,796 34 1,882</th> <th>71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$ 2,731 \$</th> <th>73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$ 2,725 \$</th> <th>58,868 81,340 72,782 16,890 981,631 13,977 45</th> <th>2020</th> <th>\$</th> <th>215,849 550,117 178,739 4,393,453 1,039,238 14,169</th>	38 39 40 41 42	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products Smart Saver® for Non-Residential Customers - Energy Efficient ITEE	2015		12,263 \$ 101,444 23,846 804,138 9,796 34 1,882	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$ 2,731 \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$ 2,725 \$	58,868 81,340 72,782 16,890 981,631 13,977 45	2020	\$	215,849 550,117 178,739 4,393,453 1,039,238 14,169
48 EnergyWise for Business 5,895 11,102 10,998 5,207 33,203 49 Total Lost Revenues \$ 1,608,722 \$ 3,377,313 \$ 3,337,388 \$ 1,806,744 \$ 10,130,167 50 Found Non-Residential Revenue 2,631 2,404 2,404 497 7,936	38 39 40 41 42 43 44	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products Smart Saver® for Non-Residential Customers - Energy Efficient ITEE Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products	2015		12,263 \$ 101,444 23,846 804,138 9,796 34 1,882	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$ 2,731 \$ - \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$ 2,725 \$ - \$	58,868 81,340 72,782 16,890 981,631 13,977 45 851	2020	\$	215,849 550,117 178,739 4,393,453 1,039,238 14,169 7,383
49 Total Lost Revenues \$ 1,608,722 \$ 3,377,313 \$ 3,337,388 \$ 1,806,744 \$ 10,130,167 50 Found Non-Residential Revenue 2,631 2,404 2,404 497 7,936	38 39 40 41 42 43 44 45	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products Smart Saver® for Non-Residential Customers - Energy Efficient ITEE Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products Smart Saver® for Non-Residential Customers - Small Business Energy Saver	2015		12,263 \$ 101,444 23,846 804,138 9,796 34 1,882 - 559,122	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$ 2,731 \$ - \$ 1,134,713 \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$ 2,725 \$ - \$	58,868 81,340 72,782 16,890 981,631 13,977 45 851 575,153	2020	\$	215,849 550,117 178,739 4,393,453 1,039,238 14,169 7,383 851
50 Found Non-Residential Revenue 2,404 2,404 497 7,936	38 39 40 41 42 43 44 45 46	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products Smart Saver® for Non-Residential Customers - Energy Efficient ITEE Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products Smart Saver® for Non-Residential Customers - Small Business Energy Saver Smart Saver® for Non-Residential Customers - Smart Energy in Office	2015		12,263 \$ 101,444 23,846 804,138 9,796 34 1,882 - 559,122 70,822	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$ 2,731 \$ - \$ 1,134,713 \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$ 2,725 \$ - \$ 1,129,191 \$ - \$	58,868 81,340 72,782 16,890 981,631 13,977 45 851 575,153	2020	\$	215,849 550,117 178,739 4,393,453 1,039,238 14,169 7,383 851 3,398,179
	38 39 40 41 42 43 44 45 46 47	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products Smart Saver® for Non-Residential Customers - Energy Efficient ITEE Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products Smart Saver® for Non-Residential Customers - Small Business Energy Saver Smart Saver® for Non-Residential Customers - Smart Energy in Office Business Energy Report	2015		12,263 \$ 101,444 23,846 804,138 9,796 34 1,882 - 559,122 70,822	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$ 2,731 \$ - \$ 1,134,713 \$ 24,541 \$ - \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$ 2,725 \$ - \$ 1,129,191 \$ - \$ - \$	58,868 81,340 72,782 16,890 981,631 13,977 45 851 575,153	2020	\$	215,849 550,117 178,739 4,393,453 1,039,238 14,169 7,383 851 3,398,179
51 Net Lost Residential Revenue 1,606,091 3,374,909 3,334,984 1,806,247 10,122,231	38 39 40 41 42 43 44 45 46 47	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products Smart Saver® for Non-Residential Customers - Energy Efficient ITEE Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products Smart Saver® for Non-Residential Customers - Small Business Energy Saver Smart Saver® for Non-Residential Customers - Smart Energy in Office Business Energy Report EnergyWise for Business	2015	\$	12,263 \$ 101,444 23,846 804,138 9,796 34 1,882 - 559,122 70,822 - 5,895	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$ 2,731 \$ - \$ 1,134,713 \$ 24,541 \$ - \$ 11,102 \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$ 2,725 \$ - \$ 1,129,191 \$ - \$ - \$ 10,998 \$	58,868 81,340 72,782 16,890 981,631 13,977 45 851 575,153 - - 5,207	2020		215,849 550,117 178,739 4,393,453 1,039,238 14,169 7,383 851 3,398,179 95,363
	38 39 40 41 42 43 44 45 46 47	Smart Saver® for Non-Residential Custom Assessments Smart Saver® for Non-Residential Custom Incentives Smart Saver® for Non-Residential Customers - Energy Efficient Food Service Products Smart Saver® for Non-Residential Customers - HVAC Smart Saver® for Non-Residential Customers - Energy Efficient Lighting Products Smart Saver® for Non-Residential Customers - Pumps and Drives Products Smart Saver® for Non-Residential Customers - Energy Efficient ITEE Smart Saver® for Non-Residential Customers - Energy Efficient Process Equipment Products Smart Saver® for Non-Residential Customers - Small Business Energy Saver Smart Saver® for Non-Residential Customers - Smart Energy in Office Business Energy Report EnergyWise for Business Total Lost Revenues	2015	\$	12,263 \$ 101,444 23,846 804,138 9,796 34 1,882 - 559,122 70,822 - 5,895 1,608,722 \$	71,091 \$ 182,977 \$ 40,687 \$ 1,793,295 \$ 23,804 \$ 79 \$ 2,731 \$ - \$ 1,134,713 \$ 24,541 \$ - \$ 11,102 \$ 3,377,313 \$	73,627 \$ 184,357 \$ 41,424 \$ 1,779,130 \$ 24,007 \$ 78 \$ 2,725 \$ - \$ 1,129,191 \$ - \$ 10,998 \$ 3,337,388 \$	58,868 81,340 72,782 16,890 981,631 13,977 45 851 575,153 - - 5,207	2020		215,849 550,117 178,739 4,393,453 1,039,238 14,169 7,383 851 3,398,179 95,363 -

South Carolina Lost Revenues Vintage Year 2014-2020

Rider 11 Exhibit 1, Page 3

	Year 2017	2015	2016	2017	(1/2 year) ^(a)	2018	2019	2020	Total
	Residential								
52	Appliance Recycling			\$	- \$	- \$	- \$	- \$	-
53	Energy Efficiency Education Program for Schools				55,350	100,919	100,612	23,136	280,017
54	Energy Efficient Applicances and Devices				1,246,147	2,449,602	2,521,429	611,398	6,828,576
55	Residential – Smart \$aver Energy Efficiency Program				54,559	95,263	111,714	20,656	282,192
56	Income Qualified Energy Efficiency and Weatherization Assistance				45,063	76,672	76,015	16,038	213,788
57	Multi-Family Energy Efficiency				128,153	209,359	208,610	41,152	587,274
58	My Home Energy Report				3,641,670	-	-	-	3,641,670
59	Energy Assessments				84,808	150,158	157,129	33,169	425,264
60	Total Lost Revenues			\$	5,255,750 \$	3,081,973 \$	3,175,509 \$	745,549 \$	12,258,781
61	Found Residential Revenue				-	-	-	-	
62	Net Lost Residential Revenue			\$	5,255,750 \$	3,081,973 \$	3,175,509 \$	745,549 \$	12,258,781
	Non-Residential	2015	2016	2017	(1/2 year) ^(a)	2018	2019	2020	Total
63	Non Residential Smart Saver Custom Technical Assessments			\$	98,727 \$	147,311 \$	146,303 \$	22,021 \$	414,362
64	Non Residential Smart Saver Custom Non Residential Smart Saver Custom			Ş	346,582 \$	489,807 \$	505,535 \$	64,615	1,406,538
65	Non Residential Smart Saver Energy Efficient Food Service Products				5,578 \$	8,350 \$	16,296 \$	1,265	31,490
66					29,059 \$	50,322 \$	58,501 \$	9,738	147,620
67	Non Residential Smart Saver Energy Efficient Lighting Products				2,276,326 \$	3,829,612 \$	3,290,258 \$	714,733	10,110,930
68					9,540 \$	19,793 \$	14,034 \$	4,671	48,038
69	Non Residential Energy Efficient ITEE				20 \$	34 \$	40 \$	6	99
70					4,423 \$	15,012 \$	13,895 \$	4,803	38,132
71	Non Residential Smart Saver Performance Incentive				- \$	-	\$	-	·
72	Small Business Energy Saver				832,006 \$	1,623,149 \$	1,781,203 \$	366,239	4,602,597
73	Smart Energy in Offices				73,273 \$	27,109 \$	- \$	-	100,382
74	EnergyWise for Business				- \$	- \$	38,661 \$	-	38,661
75	Business Energy Report				13,042 \$	38,047 \$	- \$	11,565	62,653
76	Total Lost Revenues			\$	3,688,576 \$	6,248,546 \$	5,864,726 \$	1,199,656 \$	17,001,503
77	_				-	-	-	-	
78	Net Lost Residential Revenue				3,688,576	6,248,546	5,864,726	1,199,656	17,001,503

South Carolina Lost Revenues Vintage Year 2014-2020

Rider 11 Exhibit 1, Page 4

	Year 2018	2015	2016	2017	2018	(1/2 year) ^(a)	2019	2020	Total
	Residential								
79	Appliance Recycling				\$	- \$	- \$	- \$	-
80	Energy Efficiency Education Program for Schools					38,804	110,566	77,765	227,135
81	Energy Efficient Applicances and Devices					1,526,092	1,630,729	3,355,124	6,511,945
82	Residential – Smart \$aver Energy Efficiency Program					43,947	52,279	83,795	180,021
83	Income Qualified Energy Efficiency and Weatherization Assistance					51,671	103,074	78,598	233,344
84	Multi-Family Energy Efficiency					113,828	308,061	169,073	590,963
85	My Home Energy Report					3,890,220	-	-	3,890,220
86	Energy Assessments					76,345	136,229	136,975	349,550
87	Total Lost Revenues				\$	5,740,907 \$	2,340,939 \$	3,901,331 \$	11,983,178
88	Found Residential Revenue					-	-	-	-
89	Net Lost Residential Revenue				\$	5,740,907 \$	2,340,939 \$	3,901,331 \$	11,983,178
	Non-Residential	2015	2016		2018	(1/2 year) ^(a)	2019	2020	Total
90	Non Residential Smart Saver Custom Technical Assessments				\$	1,799 \$	248,320 \$	1,961 \$	252,080
91	Non Residential Smart Saver Custom					130,273	1,048,797	355,021	1,534,092
92	Non Residential Smart Saver Energy Efficient Food Service Products					7,117	10,033	30,531	47,682
93	Non Residential Smart Saver Energy Efficient HVAC Products					18,870	62,468	49,225	130,563
94	Non Residential Smart Saver Energy Efficient Lighting Products					1,851,457	1,161,935	3,027,850	6,041,241
95	Non Residential Energy Efficient Pumps and Drives Products					1,940	31,949	10,712	44,601
96	Non Residential Energy Efficient ITEE					69	53,766	304	54,139
97	Non Residential Energy Efficient Process Equipment Products					2,580	3,434	4,989	11,002
98	Non Residential Smart Saver Performance Incentive					4,071	169,761	24,494	198,326
99	Small Business Energy Saver					453,154	1,354,356	875,471	2,682,981
100	Smart Energy in Offices					19,846	-	-	19,846
101	EnergyWise for Business					32,831	23,250	55,723	111,803
102	Business Energy Report					-	<u>-</u>	<u>-</u>	
103	Total Lost Revenues				\$	2,524,007 \$	4,168,069 \$	4,436,280 \$	11,128,357
104	Found Non-Residential Revenue					-	-	-	-
105	Net Lost Residential Revenue					2,524,007	4,168,069	4,436,280	11,128,357

⁽a) Lost revenues were estimated by applying forecasted lost revenue rates for residential and non-residential customers to state specific forecasted program participation.

South Carolina Lost Revenues Vintage Year 2014-2020

Rider 11, Exhibit 1 Page 5

	Year 2019	2015	2016	2017	2018	2019	(1/2 year) ^(a)	2020	Total
	Residential								
106	Energy Efficiency Education Program for Schools						50,314	111,646	161,960
107	Energy Efficient Applicances and Devices						918,462	1,550,572	2,469,034
108	Residential – Smart \$aver Energy Efficiency Program						54,686	66,358	121,043
109	Income Qualified Energy Efficiency and Weatherization Assistance						45,898	85,247	131,145
110	Multi-Family Energy Efficiency						214,215	395,381	609,596
111	My Home Energy Report						5,369,925	-	5,369,925
112	Energy Assessments						77,065	117,340	194,404
113	Total Lost Revenues					\$	6,730,566 \$	2,326,543 \$	9,057,109
114	Found Residential Revenue						-	-	
115	Net Lost Residential Revenue					\$	6,730,566 \$	2,326,543 \$	9,057,109
	Non-Residential	2015	2016		2018	2019	(1/2 year) ^(a)	2020	Total
116	Non-Residential Non Residential Smart Saver Custom Technical Assessments	2015	2016		2018	2019 \$	(1/2 year) ^(a) 69,778 \$	2020 157,357 \$	Total 227,135
116 117		2015	2016		2018				
	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom	2015	2016		2018		69,778 \$	157,357 \$	227,135
117	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products	2015	2016		2018		69,778 \$ 417,092	157,357 \$ 1,005,339	227,135 1,422,431
117 118	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products	2015	2016		2018		69,778 \$ 417,092 127,411	157,357 \$ 1,005,339 121,683	227,135 1,422,431 249,095
117 118 119	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products	2015	2016		2018		69,778 \$ 417,092 127,411 173,259	157,357 \$ 1,005,339 121,683 308,663	227,135 1,422,431 249,095 481,922
117 118 119 120	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE	2015	2016		2018		69,778 \$ 417,092 127,411 173,259 1,433,533	157,357 \$ 1,005,339 121,683 308,663 2,562,968	227,135 1,422,431 249,095 481,922 3,996,501
117 118 119 120 121	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products	2015	2016		2018		69,778 \$ 417,092 127,411 173,259 1,433,533 80,276	157,357 \$ 1,005,339 121,683 308,663 2,562,968 243,886	227,135 1,422,431 249,095 481,922 3,996,501 324,162
117 118 119 120 121	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE	2015	2016		2018		69,778 \$ 417,092 127,411 173,259 1,433,533 80,276 82,559	157,357 \$ 1,005,339 121,683 308,663 2,562,968 243,886 146,236	227,135 1,422,431 249,095 481,922 3,996,501 324,162 228,795
117 118 119 120 121 122	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products	2015	2016		2018		69,778 \$ 417,092 127,411 173,259 1,433,533 80,276 82,559 12,856	157,357 \$ 1,005,339 121,683 308,663 2,562,968 243,886 146,236 32,352	227,135 1,422,431 249,095 481,922 3,996,501 324,162 228,795 45,208
117 118 119 120 121 122 123	Non Residential Smart Saver Custom Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products Non Residential Smart Saver Performance Incentive Small Business Energy Saver EnergyWise for Business	2015	2016		2018		69,778 \$ 417,092 127,411 173,259 1,433,533 80,276 82,559 12,856 147,714 590,741 23,424	157,357 \$ 1,005,339 121,683 308,663 2,562,968 243,886 146,236 32,352 282,313 1,030,491 38,095	227,135 1,422,431 249,095 481,922 3,996,501 324,162 228,795 45,208 430,027 1,621,232 61,519
117 118 119 120 121 122 123 124	Non Residential Smart Saver Custom Technical Assessments Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products Non Residential Smart Saver Performance Incentive Small Business Energy Saver EnergyWise for Business Total Lost Revenues	2015	2016		2018		69,778 \$ 417,092 127,411 173,259 1,433,533 80,276 82,559 12,856 147,714 590,741	157,357 \$ 1,005,339 121,683 308,663 2,562,968 243,886 146,236 32,352 282,313 1,030,491	227,135 1,422,431 249,095 481,922 3,996,501 324,162 228,795 45,208 430,027 1,621,232
117 118 119 120 121 122 123 124 125	Non Residential Smart Saver Custom Non Residential Smart Saver Custom Non Residential Smart Saver Energy Efficient Food Service Products Non Residential Smart Saver Energy Efficient HVAC Products Non Residential Smart Saver Energy Efficient Lighting Products Non Residential Energy Efficient Pumps and Drives Products Non Residential Energy Efficient ITEE Non Residential Energy Efficient Process Equipment Products Non Residential Smart Saver Performance Incentive Small Business Energy Saver EnergyWise for Business	2015	2016		2018	\$	69,778 \$ 417,092 127,411 173,259 1,433,533 80,276 82,559 12,856 147,714 590,741 23,424	157,357 \$ 1,005,339 121,683 308,663 2,562,968 243,886 146,236 32,352 282,313 1,030,491 38,095	227,135 1,422,431 249,095 481,922 3,996,501 324,162 228,795 45,208 430,027 1,621,232 61,519

⁽a) Lost revenues were estimated by applying forecasted lost revenue rates for residential and non-residential customers to state specific forecasted program participation.

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1,927,422 \$

1,927,422

Duke Energy Carolinas For the Period January 1, 2015 - December 31, 2020 Docket Number 2019-xx-E

South Carolina Lost Revenues Vintage Year 2014-2020

2020 (1/2 year) ^(a) 2015 2018 2019 Year 2020 2016 2017 Total Residential 130 Energy Efficiency Education Program for Schools 60,461 60,461 131 Energy Efficient Applicances and Devices 453,107 453,107 132 Residential – Smart \$aver Energy Efficiency Program 102,961 102,961 133 Income Qualified Energy Efficiency and Weatherization Assistance 47,449 47,449 134 Multi-Family Energy Efficiency 220,366 220,366 135 **My Home Energy Report** 5,247,250 5,247,250 136 Energy Assessments 71,224 71,224 137 Total Lost Revenues 6,202,817 \$ 6,202,817 138 Found Residential Revenue 139 Net Lost Residential Revenue 6,202,817 \$ 6,202,817 2020 (1/2 year) ^(a) 2015 2016 2017 2018 2019 Non-Residential Total 140 Non Residential Smart Saver Custom Technical Assessments 68,339 \$ 68,339 \$ 141 Non Residential Smart Saver Custom 517,338 517,338 142 Non Residential Smart Saver Energy Efficient Food Service Products 20,943 20,943 143 Non Residential Smart Saver Energy Efficient HVAC Products 13,386 13,386 144 Non Residential Smart Saver Energy Efficient Lighting Products 675,353 675,353 Non Residential Energy Efficient Pumps and Drives Products 23,354 23,354 146 Non Residential Energy Efficient ITEE 1,515 1,515 147 Non Residential Energy Efficient Process Equipment Products 2,732 2,732 148 Non Residential Smart Saver Performance Incentive 173,172 173,172 149 Small Business Energy Saver 408,362 408,362 150 EnergyWise for Business 22,928 22,928 1,927,422 \$ 1,927,422 151 Total Lost Revenues

152 Found Non-Residential Revenue

153 Net Lost Residential Revenue

⁽a) Lost revenues were estimated by applying forecasted lost revenue rates for residential and non-residential customers to state specific forecasted program participation.

Rider 11 Exhibit 2

Duke Energy Carolinas For the Period January 1, 2015 - December 31, 2019 Docket Number 2019-xx-E

DSM/EE Actual Revenues Collected from Years 2015 - 2018 (By Vintage) and Estimated 2019 Collections from Rider 10 (By Vintage)

			Actual 2015	Actual 2016	Actual 2017 ¹	Actual 2018	Actuals	Estimated 2019	Total Revenue Estimated Collected
Line			Rider 6	Rider 7	Rider 8	Rider 9	Total	Rider 10	through 2019
	New Mechanism	-							
Residenti	al								
1	EE and DSM	2015	16,272,294	5,212,244	3,566,456	2,555,389	27,606,383	141,325	27,747,708
2	EE and DSM	2016		18,936,713	4,209,049	8,640,262	31,786,024	1,848,972	33,634,996
3	EE and DSM	2017			22,373,744	1,734,312	24,108,055	13,814,256	37,922,311
4	EE and DSM	2018				31,444,916	31,444,916	2,340,939	33,785,855
5	EE and DSM	2019					-	28,687,449	28,687,449
6	Interest	2015			355,176	167,752	522,928	58,748	581,676
7	Interest	2016			-	729,500	729,500	237,555	967,055
8	Interest	2017					-	934,494	934,494
Non-Resid	dential								
9	EE	2015	5,475,152	4,020,808	9,438,922	1,828,265	20,763,147	1,872,527	22,635,674
10	EE	2016		14,145,231	5,235,479	11,569,790	30,950,500	2,272,717	33,223,217
11	EE	2017			17,081,335	4,428,890	21,510,225	28,326,436	49,836,661
12	EE	2018				20,670,345	20,670,345	5,435,606	26,105,951
13	EE	2019					-	22,270,253	22,270,253
14	EE Interest	2015			1,046,313	378,146	1,424,459	209,721	1,634,180
15	EE Interest	2016			-	1,152,892	1,152,892	329,720	1,482,612
16	EE Interest	2017					-	1,941,096	1,941,096
17	DSM	2015	5,257,163	1,409,288	579,530	87,728	7,333,709	143,168	7,476,877
18	DSM	2016		5,730,973	687,354	37,334	6,455,661	30,792	6,486,453
19	DSM	2017			6,368,636	137,133	6,505,770	631,848	7,137,618
20	DSM	2018				6,299,502	6,299,502	313,603	6,613,105
21	DSM	2019					-	7,209,874	7,209,874
22	DSM Interest	2015			178,893	32,129	211,022	18,364	229,386
23	DSM Interest	2016			-	54,403	54,403	2,981	57,384
24	DSM Interest	2017					-	66,055	66,055
		- -							
25 Total Rev	enue Collected	_	27,004,609	61,299,043	71,275,035	91,948,686	81,837,397	119,186,437	359,470,994

¹ Actual 2015, 2016 and 2017 Revenue Source: Rider 10 Exhibit 2 Docket 2018-72-E as filed in conjunction with the Office of Regulatory Staff's review of Duke Energy Carolinas, LLC Application for Approval of Rider 10.

² Estimated 2019 Revenue Source: R10 Exh 2 page 2. In order to calculate interest properly, the component of interest that is estimated to be collected related to prior year collection of revenues has been segregated from the revenue requirement.

R11 Exhibit 3 page 1 of 2

Duke Energy Carolinas For the Period January 1, 2018 - December 31, 2018 Docket Number 2019-XX-E Forecasted kWh Sales for Years 2015-2020

Fall 2018 Sales Forecast - kWhs

			Factor to Exclude Greenwood Sales from		
Adjusted SC Retail Sales Forecast (excludes Greenwood s	ales)	2020 Sales	Forecast	2018 MWh Usage	Percent to Total
1 Residential	Company Records	6,454,573,005	Total SC Residential Sales	6,953,474	
2 Factor to exclude Greenwood	see calc. to right	99.33056%	Greenwood Residential Sales	46,549	_
3 Residential sales excluding Greenwood	Line 1*Line 2	6,411,363,511	SC Residential Sales excluding Greenwood	6,906,924	99.33056%
4 Non-Residential (excluding lighting)	Company Records	15,139,896,798	Total SC Non-Residential Sales (excluding lighting)	14,965,058	
5 Factor to exclude Greenwood	see calc. to right	99.97413%	Greenwood Non-Residential Sales (exc. lighting)	3,872	_
6 Non-Residential sales excluding Greenwood	Line 4*Line 5	15,135,980,107	SC Non-Residential Sales excluding Greenwood	14,961,186	99.97413%
7 Total Retail sales excluding Greenwood	Line 3 + Line 6	21,547,343,618	Total SC Retail Sales (excluding lighting)	21,918,532	
	_		Greenwood Retail Sales (excluding lighting)	50,421	
			SC Retail Sales excluding Greenwood (exc. lighting)	21,868,110	_

Opt Out Sales	Total Retail Sales	Less: Opt Outs	Net Retail Sales
V 2045			
Year 2015			
8 EE	15,135,980,107	9,824,240,223	5,311,739,884
9 DSM	15,135,980,107	9,107,406,897	6,028,573,210
Year 2016			
10 EE	15,135,980,107	10,115,080,343	5,020,899,764
11 DSM	15,135,980,107	9,184,643,284	5,951,336,823
Year 2017			
12 EE	15,135,980,107	10,211,024,604	4,924,955,503
13 DSM	15,135,980,107	9,184,643,284	5,951,336,823
Year 2018			
14 EE	15,135,980,107	10,257,713,985	4,878,266,122
15 DSM	15,135,980,107	9,169,736,147	5,966,243,960
Year 2019			
16 EE	15,135,980,107	10,292,065,354	4,843,914,753
17 DSM	15,135,980,107	9,171,114,347	5,964,865,760
Year 2020			
18 EE	15,135,980,107	10,292,065,354	4,843,914,753
19 DSM	15,135,980,107	9,171,114,347	5,964,865,760
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Duke Energy Carolinas For the Period January 1, 2018 - December 31, 2018 Docket Number 2019-XX-E Forecasted kWh Net Metering Impacts for Year 2020

Summary:

SC Residential customers participating in the net Metering program are being charged a solar access fee. This fee includes a component of EE recovery.

Non-residential customers participating in the net Metering program are assumed to be opted out of the EE programs and their fee does not include an EE component.

Revenue collected as a part of this solar access fee will offset the revenue requirement of the EE rider.

Since revenue collected is not assigned a vintage, it will be subtracted from the total revenue requirement requested on Exhibit A.

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Projected Installed Nameplate Capacity	50,997	50,997	50,997	50,997	50,997	50,997	50,997	50,997	50,997	50,997	50,997	50,997
Current Solar Access Fee Rate (\$/kW)	0.8456	0.8456	0.8456	0.8456	0.8456	0.8456	0.8456	0.8456	0.8456	0.8456	0.8456	0.8456
Amount collected per month	43,121	43,121	43,121	43,121	43,121	43,121	43,121	43,121	43,121	43,121	43,121	43,121
	517,452											

Rider 11 Exhibit 4, Page 1 of 6

Duke Energy Carolinas For the Period January 2014 - December 31, 2019 Docket Number 2019-XX-E Residential Interest Calculation - Year 2015 -2016

Residential

Year 2015		<u>2015</u>	<u>2016</u>	<u>2017</u>	2018	<u>2019</u>		<u>Total</u>
 1 Revenue Requirement 2 Revenue Collections 3 (Over) / Under Collection 4 Cumulative (Over)/Under Collection 5 Average Balance (Over)/Under Collection 6 Monthly rate (WACC) 7 Number of Months 	Year 2015 Exhibit 1 Rider 11, Exhibit 2 Line 1 - Line 2 Line 3 + Prior Year Line 4 Line 13/12	\$ 20,863,572 \$ 16,272,294 4,591,278 4,591,278 2,295,639 0.005782	2,913,969 \$ 5,212,244 (2,298,275) 2,293,003 3,442,140 0.005782	2,698,157 \$ 3,566,456 (868,299) 1,424,703 1,858,853 0.005782	1,146,767 2,555,389 (1,408,622) 16,081 720,392 0.005782	141,325 (141,325) (125,244) (54,581) 0.005782	\$	27,622,464 27,747,708 (125,244)
8 Interest Due (Owed) 9 Interest Paid (Returned) in Prior Rider 10 Interest Due - Rider 10 11 Gross Receipts Tax 12 Interest Due - including GRT - Rider 10	Line 5 * Line 6* Line 7 R10 Exh 2 Line 6 Line 8 - Line 9 Line 10 * Line 11	\$ 12 159,281 \$	238,829 \$	12 128,975 \$	12 49,984 \$	12 (3,787)	\$ \$ \$	1.00445
13 Weighted average cost of capital (WACC)		6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A		
NOTE A: Docket 2013-59-E								
Year 2016		<u>2015</u>	<u>2016</u>	<u>2017</u>	2018	<u>2019</u>		<u>Total</u>
14 Revenue Requirement 15 Revenue Collections 16 (Over) / Under Collection 17 Cumulative (Over)/Under Collection 18 Average Balance (Over)/Under Collection 19 Monthly rate (WACC) 20 Number of Months	Year 2016 Exhibit 1 Rider 11, Exhibit 2 Line 1 - Line 2 Line 3 + Prior Year Line 4 Line 13/12	\$ - \$ - - - - 0.005782 12	26,619,929 \$ 18,936,713 7,683,215 7,683,215 3,841,608 0.005782 12	2,541,280 \$ 4,209,049 (1,667,769) 6,015,447 6,849,331 0.005782 12	2,638,607 8,640,262 (6,001,654) 13,792 3,014,619 0.005782 12	1,401,449 1,848,972 (447,523) (433,731) (209,969) 0.005782 12	\$	33,201,265 33,634,996 (433,731)
21 Interest Due (Owed) 22 Interest Paid (Returned) in Prior Rider 23 Interest Due - Rider 10 24 Gross Receipts Tax 25 Interest Due - including GRT - Rider 10	Line 5 * Line 6* Line 7 R9 Exh 2 Line 6 Line 8 - Line 9 Line 10 * Line 11	\$ - \$	266,546 \$	475,234 \$	209,166 \$	(14,569)	\$	936,378 965,993 (29,616) 1.004450 (29,747)
26 Weighted average cost of capital (WACC)		6.9384%	6.9384%	6.9384%	6.9384%	6.9384%		

NOTE A

NOTE A

NOTE A

NOTE A

NOTE A

NOTE A: Docket 2013-59-E

Rider 11 Exhibit 4, Page 2 of 6

Duke Energy Carolinas For the Period January 2015 - December 31, 2019 Docket Number 2019-XX-E Residential Interest Calculation - Year 2017 - 2018

Residential

Year 2017		2017	2018	2019		<u>Total</u>
1 Revenue Requirement	Year 2017 Exhibit 1	\$ 30,462,648 \$		3,175,509	Note D	\$ 37,611,185
2 Revenue Collections3 (Over) / Under Collection	Rider 11, Exhibit 2 Line 1 - Line 2	22,373,744 8,088,905	1,734,312 2,238,716	13,814,256	Note B	37,922,311 10,327,621
4 Cumulative (Over)/Under Collection 5 Average Balance (Over)/Under Collection	Line 3 + Prior Year Line 4	8,088,905 4,044,452	10,327,621 9,208,263	10,327,621 10,327,621		
6 Monthly rate (WACC) 7 Number of Months	Line 13/12	0.005782 12	0.005782	0.005782 12		
8 Interest Due (Owed)	Line 5 * Line 6* Line 7	\$ 280,620 \$				\$ 1,636,098
9 Interest Paid (Returned) in Prior Rider 10 Interest Due - Rider 10	N/A Line 8 - Line 9					930,320 \$ 705,778
11 Gross Receipts Tax 12 Interest Due - including GRT - Rider 10	Line 10 * Line 11					\$ 708,919
13 Weighted average cost of capital (WACC)		6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A		

NOTE A: Docket 2013-59-E

NOTE B: Estimated Year 3 lost revenue and revenue collections have been included in the interest true-up. Assumed collection on Rider 11 Exhibit.

Year 2018		<u>2018</u>	<u>2019</u>		<u>Total</u>
1 Revenue Requirement	Year 2017 Exhibit 1	\$ 36,652,723	2,340,939		\$ 38,993,662
2 Revenue Collections	Rider 11, Exhibit 2	31,444,916	2,340,939	Note B	33,785,855
3 (Over) / Under Collection	Line 1 - Line 2	5,207,807	-		5,207,807
4 Cumulative (Over)/Under Collection	Line 3 + Prior Year Line 4	5,207,807	5,207,807		
5 Average Balance (Over)/Under Collection		2,603,904	5,207,807		
6 Monthly rate (WACC)	Line 13/12	0.005782	0.005782		
7 Number of Months		12	12		
8 Interest Due (Owed)	Line 5 * Line 6* Line 7	\$ 180,669 \$	361,339		\$ 542,008
9 Interest Paid (Returned) in Prior Rider	N/A				-
10 Interest Due - Rider 10	Line 8 - Line 9				\$ 542,008
11 Gross Receipts Tax					1.004450
12 Interest Due - including GRT - Rider 10	Line 10 * Line 11				\$ 544,420
13 Weighted average cost of capital (WACC)		6.9384%	6.9384%		

NOTE A

NOTE A

NOTE A: Docket 2013-59-E

NOTE B: Estimated Year 2 lost revenue and revenue collections have been included in the interest true-up. Assumed collection on Rider 11 Exhibit 2.

Rider 11 Exhibit 4, Page 3 of 6

Duke Energy Carolinas For the Period January 2015 - December 31, 2019 Docket Number 2019-xx-E Non-Residential Interest Calculation Year 2015

Non-Residential

Year 2015 - Energy Efficiency		<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>		<u>Total</u>
 Revenue Requirement before interest Revenue Collections (Over) / Under Collection Cumulative (Over)/Under Collection Average Balance (Over)/Under Collection Monthly rate (WACC) 	Year 2015 Exhibit 1 Rider 10, Exhibit 2 Line 1 - Line 2 Line 3 + Prior Year Line 4 Line 13/12	\$ 15,997,437 \$ 5,475,152 10,522,284 10,522,284 5,261,142 0.5782%	3,147,757 \$ 4,020,808 (873,051) 9,649,234 10,085,759 0.5782%	2,221,098 \$ 9,438,922 (7,217,824) 2,431,410 6,040,322 0.5782%	1,188,315 1,828,265 (639,950) 1,791,460 2,111,435 0.5782%	1,872,527 (1,872,527) (81,067) 855,196 0.5782%	-	22,554,607 22,635,674 (81,067)
7 Number of Months		12	12	12	12	12		
8 Interest Due (Owed) 9 Interest Paid (Returned) in prior rider 10 Interest Due - Rider 10 11 Gross Receipts Tax	Line 5 * Line 6 * Line 7 R9 Exh 2 Line 13 Line 8 - Line 9	\$ 365,039 \$	699,790 \$	419,102 \$	146,500 \$	59,337	\$	1,689,768 1,633,243 56,525 1.00445
12 Interest Due - including GRT - Rider 10	Line 10 * Line 11						\$	56,776
13 Weighted average cost of capital (WACC)		6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A		

NOTE A: Docket 2013-59-E

Year 2015 - DSM		<u>2015</u>	<u>2016</u>	<u>20:</u>	<u>17</u>	<u>2018</u>	<u>2019</u>		<u>Total</u>
14 Revenue Requirement before interest	Year 2015, Exhibit 1	\$ 7,467,622	\$ -						\$ 7,467,622
15 Revenue Collections	Rider 10, Exhibit 2	5,257,163	1,409,288	5	579,530	87,728	143,168	NOTE B	7,476,877
16 (Over) / Under Collection	Line 14 - Line 15	2,210,459	(1,409,288)	(5	579,530)	(87,728)	(143,168)		(9,255)
17 Cumulative (Over)/Under Collection	Line 16 + Prior Year Line 17	2,210,459	801,170	2	221,640	133,913	(9,255)		
18 Average Balance (Over)/Under Collection		1,105,229	1,505,815	5	511,405	177,776	62,329		
19 Monthly rate (WACC)	Line 26/12	0.5782%	0.5782%	(0.5782%	0.5782%	0.5782%		
20 Number of Months		12	12		12	12	12		
21 Interest Due (Owed)	Line 18 * Line 19 * Line 20	\$ 76,685	\$ 104,479 \$		35,483 \$	12,335	\$ 4,325		233,307
22 Interest Paid (Returned) in Prior Rider	R9 Exh 2 Line 20								229,304
23 Interest Due - Rider 10	Line 21 - Line 22								\$ 4,004
24 Gross Receipts Tax									1.00445
25 Interest Due - including GRT - Rider 10	Line 23 * Line 24								\$ 4,021
26 Weighted average cost of capital (WACC)		6.9384%	6.9384%		6.9384%	6.9384%	6.9384%		
		NOTE A	NOTE A	NOT	ΈA	NOTE A	NOTE A		

Rider 11 Exhibit 4, Page 4 of 6

Duke Energy Carolinas For the Period January 2015 - December 31, 2019 Docket Number 2019-xx-E Non-Residential Interest Calculation Year 2016

Non-Residential

Year 2016 - Energy Efficiency		<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>			<u>Total</u>
 Revenue Requirement before interest Revenue Collections (Over) / Under Collection Cumulative (Over)/Under Collection Average Balance (Over)/Under Collection Monthly rate (WACC) 	Year 2016 Exhibit 1 Rider 11, Exhibit 2 Line 1 - Line 2 Line 3 + Prior Year Line 4 Line 13/12	\$ 25,816,275 14,145,231 11,671,044 11,671,044 5,835,522 0.5782%	3,007,387 5,235,479 (2,228,092) 9,442,952 10,556,998 0.5782%	\$ 3,362,782 11,569,790 (8,207,007) 1,235,944 5,339,448 0.5782%	1,806,744 2,272,717 (465,973) 769,971 1,002,958 0.5782%	NOTE B	-	33,993,189 33,223,217 769,971
7 Number of Months		 12	12	12	12			
8 Interest Due (Owed)	Line 5 * Line 6 * Line 7	\$ 404,892	\$ 732,487	\$ 370,472	\$ 69,589		\$	1,577,440
9 Interest Paid (Returned) in prior rider	N/A							1,481,139
10 Interest Due - Rider 10	Line 8 - Line 9						\$	96,301
11 Gross Receipts Tax								1.00445
12 Interest Due - including GRT - Rider 10	Line 10 * Line 11						\$	96,730
13 Weighted average cost of capital (WACC)		6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A			

NOTE A: Docket 2013-59-E

NOTE B: Estimated Year 4 lost revenue and revenue collections have been included in the interest true-up. Assumed 2019 collection on Rider 11 Exhibit 2.

Year 2016 - DSM		<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>		<u>Total</u>
14 Revenue Requirement before interest15 Revenue Collections16 (Over) / Under Collection	Year 2016, Exhibit 1 Rider 11, Exhibit 2 Line 14 - Line 15	\$ 6,480,381 \$ 5,730,973 749,408	- 687,354 (687,354)	37,334 (37,334)	30,792 (30,792)	NOTE B	\$ 6,480,381 6,486,453 (6,072)
17 Cumulative (Over)/Under Collection18 Average Balance (Over)/Under Collection	Line 16 + Prior Year Line 17	749,408 374,704	62,054 405,731	24,720 43,387	(6,072) 9,324		
19 Monthly rate (WACC) 20 Number of Months	Line 26/12	0.5782% 12	0.5782% 12	0.5782% 12	0.5782%		
21 Interest Due (Owed)	Line 18 * Line 19 * Line 20	\$ 25,998 \$		\$ 3,010 \$	647		57,807
22 Interest Paid (Returned) in Prior Rider 23 Interest Due - Rider 10	N/A Line 21 - Line 22						\$ 57,371 436
24 Gross Receipts Tax25 Interest Due - including GRT - Rider 10	Line 23 * Line 24						\$ 1.00445 438
26 Weighted average cost of capital (WACC)		6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A		

NOTE A: Docket 2013-59-E

NOTE B: Estimated 2018 revenue included at revised requested amount shown on Rider 10 Exhibit 2, page 1 of 3.

Rider 11 Exhibit 4, Page 5 of 6

Duke Energy Carolinas For the Period January 2015 - December 31, 2019 Docket Number 2019-xx-E Non-Residential Interest Calculation Year 2017

Non-Residential

Year 2017 - Energy Efficiency		<u>2017</u>	<u>2018</u>	<u>2019</u>		<u>Total</u>
1 Revenue Requirement before interest	Year 2017 Exhibit 1	\$ 33,701,645	\$ 11,296,323	\$ 5,864,726	\$	50,862,694
2 Revenue Collections	Rider 11, Exhibit 2	17,081,335	4,428,890	28,326,436		49,836,661
3 (Over) / Under Collection	Line 1 - Line 2	16,620,310	6,867,433	(22,461,710)		1,026,033
4 Cumulative (Over)/Under Collection	Line 3 + Prior Year Line 4	16,620,310	23,487,743	1,026,033		
5 Average Balance (Over)/Under Collection		8,310,155	20,054,027	12,256,888		
6 Monthly rate (WACC)	Line 13/12	0.5782%	0.5782%	0.5782%		
7 Number of Months		12	12	12		
8 Interest Due (Owed)	Line 5 * Line 6 * Line 7	\$ 576,592	\$ 1,391,429	\$ 850,432	\$	2,818,452
9 Interest Paid (Returned) in prior rider	N/A					1,932,425
10 Interest Due - Rider 10	Line 8 - Line 9				\$	886,027
11 Gross Receipts Tax						1.00445
12 Interest Due - including GRT - Rider 10	Line 10 * Line 11				\$	889,970
13 Weighted average cost of capital (WACC)		6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A		

NOTE A: Docket 2013-59-E

NOTE B: Estimated Year 3 lost revenue and revenue collections have been included in the interest true-up. Assumed collection at on Rider 11 Exhibit 2.

Year 2017 - DSM		<u>2017</u>	<u>2018</u>	<u>2019</u>		<u>Total</u>
14 Revenue Requirement before interest	Year 2017, Exhibit 1	\$ 7,000,484				\$ 7,000,484
15 Revenue Collections	Rider 10, Exhibit 2	6,368,636	137,133	631,848	NOTE B	7,137,618
16 (Over) / Under Collection	Line 14 - Line 15	631,848	(137,133)	(631,848)		(137,133)
17 Cumulative (Over)/Under Collection	Line 16 + Prior Year Line 17	631,848	494,715	(137,133)		
18 Average Balance (Over)/Under Collection		315,924	563,281	178,791		
19 Monthly rate (WACC)	Line 26/12	0.5782%	0.5782%	0.5782%		
20 Number of Months		12	12	12		
21 Interest Due (Owed)	Line 18 * Line 19 * Line 20	\$ 21,920 \$	39,083 \$	12,405		73,408
22 Interest Paid (Returned) in Prior Rider	N/A					65,760
23 Interest Due - Rider 10	Line 21 - Line 22					\$ 7,648
24 Gross Receipts Tax						1.00445
25 Interest Due - including GRT - Rider 10	Line 23 * Line 24					\$ 7,682
26 Weighted average cost of capital (WACC)		6.9384% NOTE A	6.9384% NOTE A	6.9384% NOTE A		

NOTE A: Docket 2013-59-E

NOTE B: Estimated 2019 revenue included at requested amount on Rider 11 Exhibit 2.

Rider 11 Exhibit 4, Page 6 of 6

Duke Energy Carolinas For the Period January 2015 - December 31, 2019 Docket Number 2019-xx-E Non-Residential Interest Calculation Year 2018

Non-Residential

Year 2018 - Energy Efficiency		<u>2018</u>	<u>2019</u>			<u>Total</u>
1 Revenue Requirement before interest	Year 2018 Exhibit 1	\$ 23,444,929 \$	4,168,069		\$ 2	27,612,998
2 Revenue Collections	Rider 11, Exhibit 2	20,670,345	5,435,606	NOTE B	2	26,105,951
3 (Over) / Under Collection	Line 1 - Line 2	2,774,584	(1,267,537)			1,507,047
4 Cumulative (Over)/Under Collection	Line 3 + Prior Year Line 4	2,774,584	1,507,047			
5 Average Balance (Over)/Under Collection		1,387,292	2,140,816			
6 Monthly rate (WACC)	Line 13/12	0.5782%	0.5782%			
7 Number of Months		12	12			
8 Interest Due (Owed)	Line 5 * Line 6 * Line 7	\$ 96,256 \$	148,538		\$	244,794
9 Interest Paid (Returned) in prior rider	N/A					-
10 Interest Due - Rider 10	Line 8 - Line 9				\$	244,794
11 Gross Receipts Tax						1.00445
12 Interest Due - including GRT - Rider 10	Line 10 * Line 11				\$	245,884
13 Weighted average cost of capital (WACC)		6.9384%	6.9384%	6.9384%		
		NOTE A	NOTE A	NOTE A		

NOTE A: Docket 2013-59-E

NOTE B: Estimated Year 2 lost revenue and estimated revenue collections have been included in the interest true-up. Assumed collection at on Rider 11 Exhibit 2.

Year 2018 - DSM		<u>2018</u>	<u>2018</u>		<u>Total</u>
14 Revenue Requirement before interest	Year 2018, Exhibit 1	\$ 7,613,777			\$ 7,613,777
15 Revenue Collections	Rider 11, Exhibit 2	6,299,502	313,603	NOTE B	6,613,105
16 (Over) / Under Collection	Line 14 - Line 15	1,314,275	(313,603)		1,000,672
17 Cumulative (Over)/Under Collection	Line 16 + Prior Year Line 17	1,314,275	1,000,672		
18 Average Balance (Over)/Under Collection		657,138	1,157,474		
19 Monthly rate (WACC)	Line 26/12	0.5782%	0.5782%		
20 Number of Months		12	12		
21 Interest Due (Owed)	Line 18 * Line 19 * Line 20	\$ 45,595	\$ 80,310	•	125,905
22 Interest Paid (Returned) in Prior Rider	N/A				
23 Interest Due - Rider 10	Line 21 - Line 22				\$ 125,905
24 Gross Receipts Tax					1.00445
25 Interest Due - including GRT - Rider 10	Line 23 * Line 24				\$ 126,465
26 Weighted average cost of capital (WACC)		6.9384%	6.9384%		
		NOTE A	NOTE A		

NOTE A: Docket 2013-59-E

NOTE B: Estimated 2019 revenue included at requested amount on Rider 11 Exhibit 2.